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California Department of  
Food and Agriculture

C A L I F O R N I A



S T A T I S T I C S

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# THE CALIFORNIA DAIRY INDUSTRY IN 2000

The "2000 California Dairy Statistics" annual reflects that it was a mixed year for the California dairy industry. Milk production and milk cow numbers both increased. Processing of most dairy products also increased. However, the annual average price paid to producers declined, as did the number of dairy farms.

The decline in farm numbers follows a long-term trend. However, the decline in milk prices represents a unique combination of factors. Feed prices were low relative to milk prices in 1998-99. (Feed costs represent approximately 50 percent of the total cost of producing milk.) Consequently, national milk production increased faster in 1999-2000 than in prior years. The excess milk resulted in depressed prices in 2000.

Even with lower prices, California continues to lead the nation in total milk production, with Wisconsin ranking second, and New York third. In addition, California is first in the total number of milk cows, averaging 696 cows per farm.

In 2000, Kings County replaced Riverside County in the ranking of California's five leading counties in terms of milk production: Tulare (24 percent), Merced (13 percent), San Bernardino (11 percent), Stanislaus (10 percent), and Kings (8 percent).



California ranked fourth in milk production per cow after Washington, Arizona and Colorado. Significantly, all six states averaging more than 20,000 pounds per year are located in the Western States. Cost of milk production continues to be lower in the West than other regions of the United States, partially a result of higher production per cow.

In the United States, California ranked first in nonfat dry milk production, first in butter production and second in cheese production. California produced 50

percent of the nation's nonfat dry milk, 28 percent of the butter, and 18 percent of the cheese. Cheddar and mozzarella cheeses constituted approximately 75 percent of the cheese produced in California.

The "California Dairy Statistics 2000" annual is a joint effort of the California Department of Food and Agriculture (CDFA) and the United States Department of Agriculture (USDA). Like the 56 previous issues, it contains a summary of statistical data that was originally published by CDFA and USDA, primarily in the "Dairy Information Bulletin" (DIB). This publication would not be possible without the cooperation of the individuals and firms engaged in the production, manufacture and distribution of milk and dairy products. Both corrections of errors and revisions based on receipt of more complete information are the basis of all changes from previously published data.

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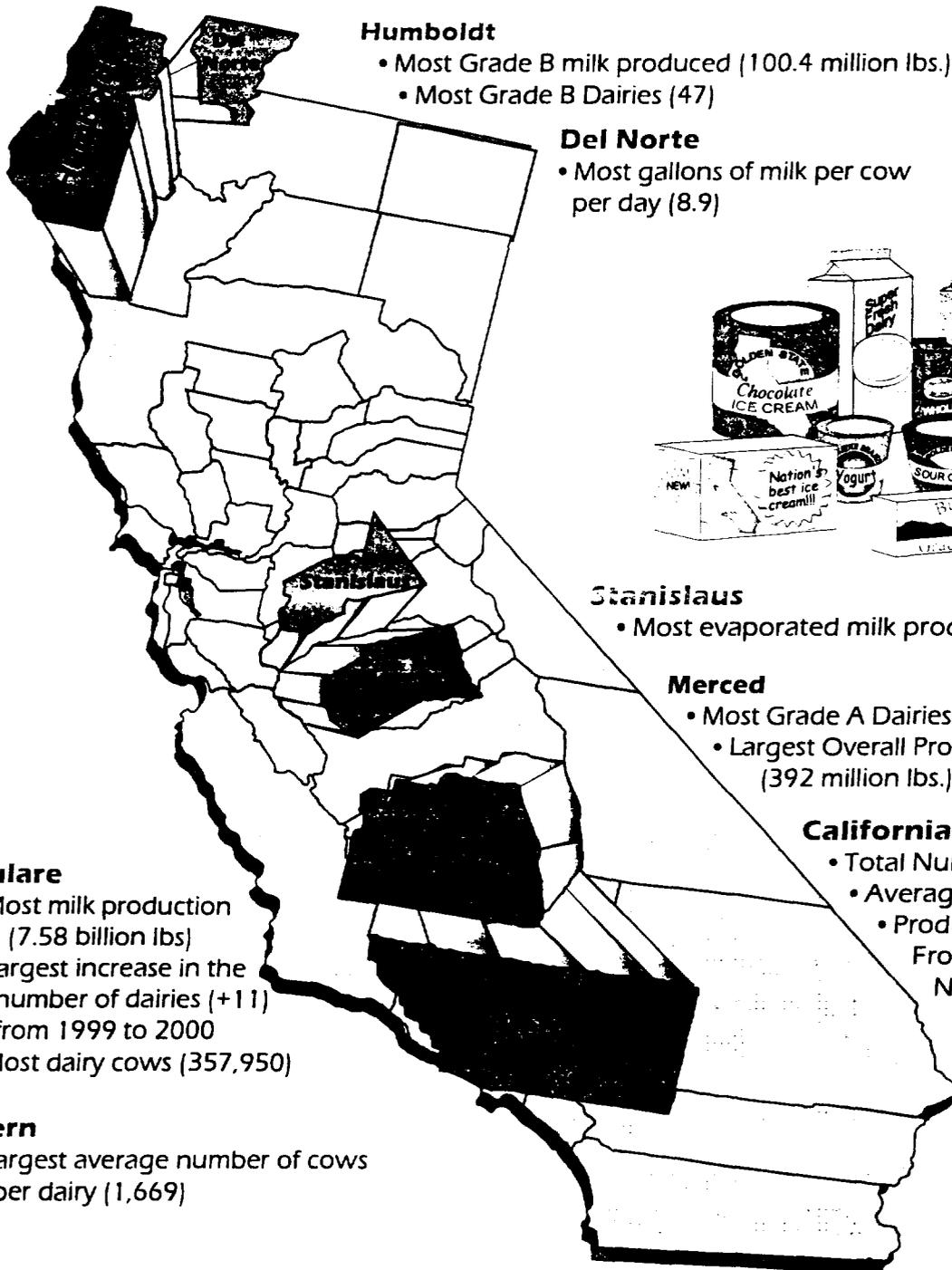
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# 2000 California



## Humboldt

- Most Grade B milk produced (100.4 million lbs.)
- Most Grade B Dairies (47)

## Del Norte

- Most gallons of milk per cow per day (8.9)



## Stanislaus

- Most evaporated milk production (196.2 million lbs.)

## Merced

- Most Grade A Dairies (315)
- Largest Overall Producer of Cheese (392 million lbs.)

## California Rated #1:

- Total Number of Cows;
- Average Number of Cows on Farms;
- Production of: Yogurt, Sherbet, Frozen Yogurt, Hispanic Cheese, NFDM, WPC, Nearly All Categories of Ice Cream, Butter, and Dry Buttermilk

## Tulare

- Most milk production (7.58 billion lbs)
- Largest increase in the number of dairies (+11) from 1999 to 2000
- Most dairy cows (357,950)

## Kern

- Largest average number of cows per dairy (1,669)

# County Highlights



# 2000 CALIFORNIA: Cows, Production, Receipts



- ◆ The average production of milk per cow in California during the year 2000 was 21,169 pounds.
- ◆ Total milk production during 2000 was 32.2 billion pounds, 5.8 percent more than 1999 production.
- ◆ Cash receipts from farm marketing of milk and cream in California during 2000 totaled approximately 3.7 billion dollars. The comparable figure for 1999 was 4.1 billion dollars.
- ◆ Estimates of the number of milk cows and heifers that had calved on farms by county and by region in California at the beginning of 2000 and 2001 are given in Table 4. Of the total 1,528 thousand head on farms in the State on January 1, 2001, approximately 81 percent were in Northern California and 19 percent in Southern California counties.
- ◆ The five leading counties in number of milk cows were the same as for milk production: Tulare, Merced, San Bernardino, Stanislaus, and Kings. Collectively these counties accounted for approximately 66 percent of all milk cows in the State.

*Table 1 is derived from USDA/NASS statistics.  
USDA total milk production figures on all farms includes all milk produced on the farm.*

**Table 1. California, Estimated Number of Milk Cows on Farms, Average Production Per Milk Cow, Total Production on Farms, and Cash Receipts From Farm Marketing of Dairy Products, 1995-2000 <sup>1/</sup>**

Year	Milk Cows & Heifers That Have Calved, On Farms		Average Production Per Milk Cow		Total Production On Farms		Cash Receipts From Farm Marketings Of Dairy Products <sup>2/</sup>
	Jan. 1 Total	Annual Average	Milk	Milk Fat Test	Milk	Milk Fat Test	
	<i>Thousands</i>		<i>Pounds</i>	<i>Percent</i>	<i>Million Pounds</i>	<i>Percent</i>	<i>Thousand Dollars</i>
1995	1,270	1,294	19,573	3.64	25,327	3.64	3,080,084
1996	1,320	1,349	19,161	3.66	25,848	3.66	3,714,624
1997	1,380	1,391	19,829	3.64	27,582	3.64	3,629,762
1998	1,400	1,420	19,474	3.67	27,654	3.67	4,140,659
1999	1,440	1,466	20,773	3.66	30,453	3.63	4,090,145
2000 <sup>3/</sup>	1,490	1,523	21,169	3.63	32,240	3.68	3,703,805

<sup>1/</sup> USDA/NASS data. Source: "Cattle Report" and "Milk Production, Disposition and Income."

<sup>2/</sup> All milk and cream.

<sup>3/</sup> Figures for 2000 are preliminary.

# 2000 UNITED STATES: Cows, Production, Receipts



- ◆ The average production per milk cow in the United States during 2000 was 18,204 pounds. This was 433 pounds more than the 1999 production per cow.
- ◆ Total milk production during 2000 was 167,658 million pounds, 4,497 million pounds more than in 1999.
- ◆ The estimated annual average number of cows that have calved on farms throughout the United States during 2000 was 9.2 million milk cows.
- ◆ Cash receipts from milk and cream marketings in the United States during 2000 were unavailable at the time of release. The figure for 1999 was 23,203 billion dollars.
- ◆ California accounted for 19.2 percent of the milk produced in the United States during 2000.
- ◆ California ranked first among the various states in total milk production, with Wisconsin second, and New York third.
- ◆ California ranked first in the average number of milk cows on farms and ranked fourth in production of milk per cow during 2000.
- ◆ California had more cows, but the States of Washington, Arizona, and Colorado had more production of milk per cow.

*Table 2 is derived from USDA/NASS statistics.  
USDA total milk production figures on all farms includes all milk produced on the farm.*

**Table 2. United States, Estimated Number of Milk Cows on Farms, Average Production Per Milk Cow, Total Production on Farms, and Cash Receipts From Farm Marketings of Dairy Products, 1995-2000<sup>1/</sup>**

Year	Milk Cows & Heifers That Have Calved, On Farms		Average Production Per Milk Cow		Total Production On Farms		Cash Receipts From Farm Marketings Of Dairy Products <sup>2/</sup> Thousand Dollars
	Jan. 1 Total	Annual Average	Milk	Milk Fat Test	Milk	Milk Fat Test	
	<i>Thousands</i>		<i>Pounds</i>	<i>Percent</i>	<i>Million Pounds</i>	<i>Percent</i>	
1995	9,482	9,466	16,405	3.66	155,292	3.66	19,876,353
1996	9,420	9,372	16,433	3.69	154,006	3.69	22,781,435
1997	9,318	9,252	16,871	3.66	156,091	3.66	20,936,726
1998	9,199	9,154	17,189	3.66	157,348	3.66	24,114,036
1999	9,133	9,156	17,772	3.66	162,716	3.66	23,203,993
2000 <sup>3/</sup>	9,190	9,210	18,204	N/A	167,658	N/A	N/A

<sup>1/</sup> USDA/NASS data. Source: "Cattle Report" and "Milk Production, Disposition and Income".

<sup>2/</sup> All milk and cream.

<sup>3/</sup> Figures for 2000 are preliminary.

N/A - Unavailable at time of release.

# COWS, PRODUCTION, RECEIPTS, by State

**Table 3. Total Production on Farms, Estimated Number of Milk Cows on Farms, Average Production per milk cow and Cash Receipts from Farm Marketings of Dairy Products, by State, 2000<sup>1/2/</sup>**

State	Total Production on Farms		Milk cows on farms <sup>2/</sup>	Average production per milk cow Milk	Cash receipts from farm marketings of dairy products <sup>3/</sup>	Rank in Production	Percent of United States Production
	Milk	Milk Fat					
	Million Pounds		Thousands	Pounds	Thousand Dollars		Percent
Alabama	348	N/A	25	13,920	N/A	41	0.2
Alaska	13	N/A	1	14,500	N/A	50	0.0
Arizona	3,017	N/A	139	21,705	N/A	13	1.8
Arkansas	524	N/A	42	12,476	N/A	36	0.3
California	32,240	N/A	1,523	21,169	N/A	1	19.2
Colorado	1,924	N/A	89	21,618	N/A	19	1.1
Connecticut	478	N/A	26	18,385	N/A	37	0.3
Delaware	149	N/A	10	14,910	N/A	46	0.1
Florida	2,461	N/A	157	15,675	N/A	15	1.5
Georgia	1,433	N/A	87	16,471	N/A	26	0.9
Hawaii	116	N/A	8	14,358	N/A	47	0.1
Idaho	7,223	N/A	347	20,816	N/A	6	4.3
Illinois	2,094	N/A	120	17,450	N/A	18	1.2
Indiana	2,365	N/A	145	16,310	N/A	16	1.4
Iowa	3,934	N/A	215	18,298	N/A	12	2.3
Kansas	1,520	N/A	91	16,703	N/A	25	0.9
Kentucky	1,690	N/A	132	12,803	N/A	22	1.0
Louisiana	705	N/A	58	12,155	N/A	32	0.4
Maine	669	N/A	40	16,725	N/A	34	0.4
Maryland	1,351	N/A	84	16,083	N/A	28	0.8
Massachusetts	392	N/A	23	17,043	N/A	39	0.2
Michigan	5,705	N/A	300	19,017	N/A	8	3.4
Minnesota	9,493	N/A	534	17,777	N/A	5	5.7
Mississippi	544	N/A	36	15,111	N/A	35	0.3
Missouri	2,258	N/A	154	14,662	N/A	17	1.3
Montana	315	N/A	18	17,500	N/A	42	0.2
Nebraska	1,252	N/A	77	16,260	N/A	30	0.7
Nevada	476	N/A	25	19,040	N/A	38	0.3
New Hampshire	310	N/A	18	17,333	N/A	43	0.2
New Jersey	266	N/A	16	16,625	N/A	44	0.2
New Mexico	5,236	N/A	250	20,944	N/A	10	3.1
New York	11,920	N/A	686	17,376	N/A	3	7.1
North Carolina	1,189	N/A	71	16,746	N/A	31	0.7
North Dakota	701	N/A	49	14,306	N/A	33	0.4
Ohio	4,461	N/A	262	17,027	N/A	11	2.7
Oklahoma	1,295	N/A	91	14,231	N/A	29	0.8
Oregon	1,695	N/A	90	18,833	N/A	21	1.0
Pennsylvania	11,156	N/A	617	18,081	N/A	4	6.7
Rhode Island	28	N/A	2	15,667	N/A	49	0.0
South Carolina	369	N/A	23	15,375	N/A	40	0.2
South Dakota	1,634	N/A	102	16,020	N/A	24	1.0
Tennessee	1,405	N/A	95	14,789	N/A	27	0.8
Texas	5,735	N/A	348	16,480	N/A	7	3.4
Utah	1,687	N/A	96	17,573	N/A	23	1.0
Vermont	2,787	N/A	159	17,528	N/A	14	1.7
Virginia	1,901	N/A	120	15,842	N/A	20	1.1
Washington	5,593	N/A	247	22,644	N/A	9	3.3
West Virginia	265	N/A	17	15,588	N/A	45	0.2
Wisconsin	23,259	N/A	1,344	17,306	N/A	2	13.9
Wyoming	76	N/A	6	13,571	N/A	48	0.0
United States <sup>4</sup>	167,658		9,210	18,204			

<sup>1/</sup> USDA/NASS data. Source: "Milk Production, Disposition and Income."

<sup>2/</sup> Average number during year, heifers that have not freshened excluded.

<sup>3/</sup> All milk and cream.

<sup>4/</sup> State totals may not add to U.S. totals because of rounding.

N/A - Not available at time of release.

## CALIFORNIA COUNTIES: Cows, Dairies, and Cows Per Dairy

**Table 4. Number of Milk Cows and Heifers that have Calved on Farms,  
Number of Dairies, and Average Number of Cows per Dairy  
in California, by County and Region, 1999 and 2000**

County and Region <sup>1/</sup>	1999			2000		
	Number Cows	Number Dairies <sup>2/</sup>	Average Number Cows/Dairy	Number Cows	Number Dairies <sup>2/</sup>	Average Number Cows/Dairy
Butte	885	4	221	761	4	190
Colusa <sup>3</sup>		1			1	
Contra Costa	2,900	3	967	2,996	3	999
Del Norte	3,172	8	397	2,580	8	323
Fresno	84,172	105	802	79,296	107	741
Glenn	15,217	77	198	14,676	67	219
Humboldt	16,001	108	148	15,945	103	155
Kern	57,942	36	1,609	65,074	39	1,669
Kings	124,668	146	854	120,088	148	811
Madera	35,507	52	683	40,624	51	797
Marin	11,482	35	328	10,828	29	373
Mendocino <sup>3</sup>		2			2	
Merced	185,130	338	548	203,647	335	608
Monterey	3,141	7	449	2,609	6	435
Placer <sup>3</sup>		1			1	
Sacramento	17,193	56	307	17,367	56	310
San Benito	613	3	204	636	3	212
San Joaquin	88,778	154	576	97,849	155	631
Santa Clara		1		490	3	163
Santa Cruz <sup>3</sup>		1			1	
Shasta <sup>3</sup>		1			1	
Siskiyou	1,345	6	224	1,606	5	321
Solano	1,431	4	358	1,517	4	379
Sonoma	31,075	94	331	31,345	90	348
Stanislaus	146,285	323	453	158,087	324	488
Sutter <sup>3</sup>		1			1	
Tehama	4,015	27	149	5,219	31	168
Tulare	337,685	293	1,153	357,950	304	1,177
Yolo	536	3	179	1,463	3	488
Yuba	3,023	4	756	3,325	4	831
<b>Northern California</b>	<b>1,175,358</b>	<b>1,894</b>	<b>621</b>	<b>1,238,793</b>	<b>1,889</b>	<b>656</b>
Imperial <sup>3</sup>		2			2	
Los Angeles <sup>3</sup>		2			2	
Riverside	116,131	106	1,096	113,283	97	1,168
San Bernardino	163,304	194	842	161,251	189	853
San Diego	7,565	11	688	6,757	11	614
San Luis Obispo <sup>3</sup>		1			1	
Santa Barbara	2,796	4	699	2,699	4	675
<b>Southern California</b>	<b>294,219</b>	<b>320</b>	<b>919</b>	<b>289,462</b>	<b>306</b>	<b>946</b>
<b>STATE TOTALS</b>	<b>1,469,577</b>	<b>2,214</b>	<b>664</b>	<b>1,528,255</b>	<b>2,195</b>	<b>696</b>

<sup>1/</sup> Counties omitted have no reported milk production

<sup>2/</sup> Number of dairies source is Milk and Dairy Foods Control.

<sup>3/</sup> Not published, but included in total.

# COMMERCIAL MILK PRODUCTION IN 2000

California milk production as reported by the California Department of Food and Agriculture includes only milk sold. The only estimate for milk used on the ranch is calculated by the USDA (see Table 3).

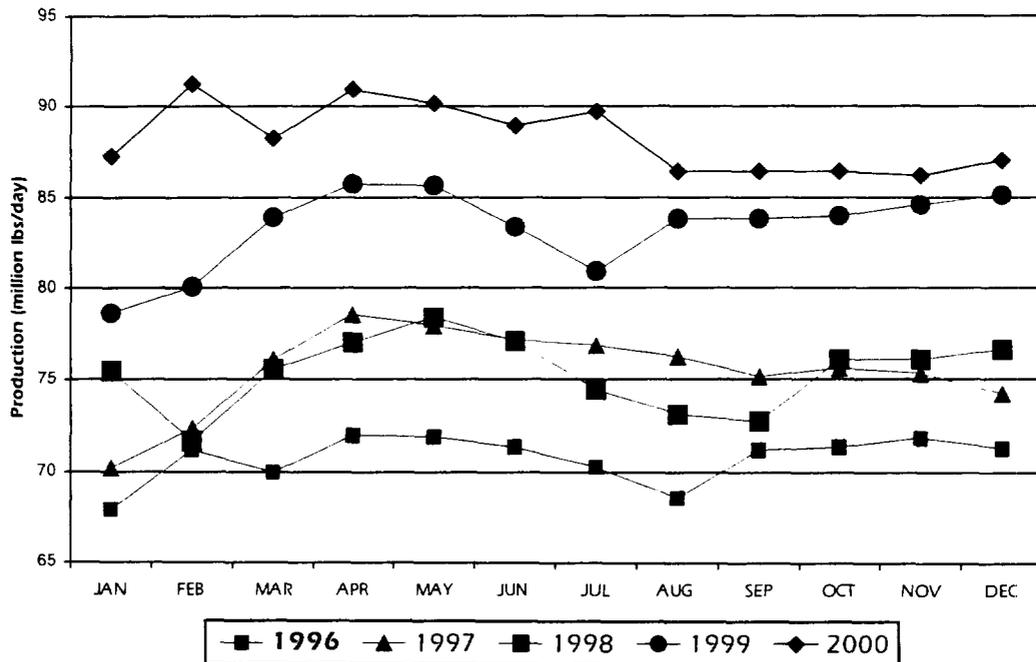
California Milk production increased nearly 5.9 percent in 2000 to 32 billion pounds; milk fat was up 6.5 percent and milk solids-not-fat (SNF) was up 5.9 percent. Over the last ten years, production increased at an annual rate of 4.4 percent. The vast majority of the milk was market grade (Grade A), with only 1.2 percent manufacturing grade (Grade B). A portion of the manufacturing grade milk was produced by traditionally market grade dairies that opted to operate as manufacturing grade facilities.

Northern California accounted for 81 percent of the market milk and 98 percent of the manufacturing milk produced commercially in California during 2000.

The five leading counties in total milk production in the order of their ranking during 2000 were Tulare (24 percent), Merced (13 percent), San Bernardino (11 percent), Stanislaus (10 percent) and Kings (8 percent). These five counties accounted for 66 percent of California's total production of milk.

The leading counties in manufacturing milk production were Humboldt (26 percent), Stanislaus (16 percent), Merced (12 percent), Glenn (9 percent) and Tehama (also 9 percent). These five counties accounted for 71 percent of California's total manufacturing milk production.

**Chart 1: California Milk Production  
Average Daily Basis 1996-2000**



# CALIFORNIA MILK PRODUCTION

**Table 5. Commercial Production of Bulk Milk, Average Milk Fat and Solids-not-Fat Test in California, by Year, 1996-2000<sup>1/</sup>**

Year and Month	Bulk Milk			Average Milk Fat Test			Average Solids-not-Fat Test			Total Bulk Milk Change From Prior Year
	Market	Manufacturing	Total <sup>2/</sup>	Market	Manufacturing	Total	Market	Manufacturing	Total	Percent
	Thousand Pounds			Percent			Percent			Percent
1996	24,781,520	1,030,348	25,811,868	3.65	3.84	3.66	8.72	8.85	8.72	2.0
1997	27,197,308	359,772	27,557,080	3.63	4.04	3.64	8.76	8.85	8.76	6.8
1998	27,184,791	400,747	27,585,538	3.66	4.01	3.66	8.74	8.86	8.75	0.1
1999	30,032,734	377,162	30,409,896	3.66	4.03	3.66	8.76	8.95	8.76	10.2
2000	31,826,556	381,023	32,207,579	3.68	4.02	3.68	8.76	8.94	8.76	5.9
<b>1997</b>										
January	2,148,373	28,431	2,176,804	3.83	4.16	3.83	8.82	8.94	8.82	3.5
February	1,999,037	27,262	2,026,299	3.75	4.15	3.75	8.78	8.94	8.79	1.6
March	2,324,546	33,794	2,358,340	3.65	3.99	3.65	8.74	8.87	8.75	8.7
April	2,324,045	33,052	2,357,097	3.59	3.97	3.60	8.74	8.88	8.74	9.1
May	2,379,490	35,445	2,414,935	3.51	3.87	3.52	8.72	8.87	8.72	8.3
June	2,285,325	28,642	2,313,967	3.50	3.92	3.50	8.73	8.88	8.73	8.2
July	2,360,652	22,348	2,383,000	3.49	3.91	3.49	8.72	8.86	8.72	9.4
August	2,337,709	26,586	2,364,295	3.51	3.95	3.52	8.70	8.46	8.70	11.2
September	2,226,583	29,667	2,256,250	3.57	4.02	3.58	8.72	8.55	8.72	5.6
October	2,308,630	35,988	2,344,618	3.66	4.09	3.67	8.77	8.92	8.78	5.9
November	2,230,646	29,217	2,259,863	3.79	5.03	3.81	9.08	10.99	9.10	4.9
December	2,272,272	29,340	2,301,612	3.85	4.29	3.85	8.84	8.98	8.85	4.2
<b>1998</b>										
January	2,310,150	30,202	2,340,352	3.82	4.22	3.83	8.80	8.96	8.81	7.5
February	2,044,163	33,148	2,077,311	3.83	4.16	3.84	8.79	8.93	8.80	2.5
March	2,303,241	39,995	2,343,236	3.72	3.99	3.72	8.72	8.86	8.73	-0.6
April	2,273,067	37,493	2,310,560	3.68	4.00	3.69	8.72	8.85	8.72	-2.0
May	2,387,494	42,356	2,429,850	3.62	3.94	3.62	8.71	8.85	8.71	0.6
June	2,272,623	40,159	2,312,782	3.57	3.87	3.57	8.68	8.81	8.69	-0.1
July	2,273,007	35,134	2,308,141	3.52	3.84	3.53	8.63	8.75	8.63	-3.1
August	2,233,744	32,491	2,266,234	3.47	3.84	3.47	8.64	8.76	8.64	-4.1
September	2,152,100	29,356	2,181,456	3.52	3.94	3.52	8.69	8.80	8.70	-3.3
October	2,329,922	29,067	2,358,988	3.68	4.05	3.68	8.83	8.83	8.83	0.6
November	2,256,635	25,381	2,282,015	3.70	4.13	3.70	8.84	8.98	8.84	1.0
December	2,348,647	25,967	2,374,613	3.79	4.28	3.79	8.87	9.03	8.87	3.2
<b>1999</b>										
January	2,407,762	29,011	2,436,773	3.77	4.13	3.77	8.83	8.95	8.83	4.1
February	2,219,672	23,046	2,242,718	3.74	4.14	3.75	8.80	8.96	8.81	8.0
March	2,570,400	30,027	2,600,427	3.67	3.97	3.67	8.78	8.90	8.78	11.0
April	2,539,723	32,637	2,572,360	3.66	3.97	3.67	8.77	8.91	8.77	11.3
May	2,621,217	33,810	2,655,027	3.59	3.96	3.59	8.74	8.98	8.74	9.3
June	2,467,756	32,125	2,499,881	3.55	3.92	3.55	8.71	8.86	8.71	8.1
July	2,479,178	29,997	2,509,175	3.52	3.94	3.53	8.68	8.85	8.68	8.7
August	2,565,468	32,217	2,597,685	3.57	3.96	3.58	8.70	9.20	8.70	14.6
September	2,474,749	41,056	2,515,805	3.60	3.93	3.61	8.71	8.81	8.72	15.3
October	2,569,263	33,171	2,602,434	3.66	4.11	3.67	8.76	8.99	8.76	10.3
November	2,507,210	31,051	2,538,262	3.73	4.14	3.74	8.79	8.99	8.79	11.2
December	2,610,336	29,014	2,639,349	3.81	4.24	3.81	8.83	9.04	8.83	11.1
<b>2000</b>										
January	2,675,387	30,472	2,705,859	3.78	4.09	3.78	8.79	8.99	8.79	11.0
February	2,532,143	23,688	2,555,830	3.75	4.10	3.75	8.77	8.97	8.77	14.0
March	2,699,327	37,097	2,736,425	3.75	4.03	3.75	8.76	8.94	8.77	5.2
April	2,694,556	34,332	2,728,888	3.64	3.94	3.64	8.75	8.96	8.75	6.1
May	2,760,890	35,328	2,796,218	3.61	3.94	3.61	8.73	8.97	8.73	5.3
June	2,631,735	37,581	2,669,316	3.55	3.86	3.56	8.69	8.88	8.70	6.8
July	2,745,053	36,394	2,781,447	3.56	3.90	3.56	8.69	8.88	8.69	10.9
August	2,645,520	33,167	2,678,687	3.59	3.97	3.59	8.69	8.88	8.69	3.1
September	2,562,894	29,938	2,592,832	3.64	4.04	3.65	8.74	8.90	8.74	3.1
October	2,647,305	31,780	2,679,084	3.70	4.11	3.71	8.79	8.97	8.80	2.9
November	2,558,462	26,443	2,584,905	3.79	4.25	3.80	8.84	9.02	8.84	1.8
December	2,673,283	24,802	2,698,086	3.79	4.22	3.79	8.82	8.98	8.82	2.2

<sup>1/</sup> Includes total milk sold. Excludes milk used on ranch.

<sup>2/</sup> Monthly totals may not add to annual totals due to rounding.

# CALIFORNIA MILK PRODUCTION, by County

**Table 6. Commercial Production of Bulk Milk, Average Milk Fat and Solids-not-Fat Test in California, by County and Region, 2000 <sup>1/</sup>**

County and Region <sup>2/</sup>	Bulk Milk			Average Milk Fat Test <sup>3/</sup>			Average Solids-not-Fat Test <sup>3/</sup>			State Rank
	Market	Manufacturing	Total	Market	Manufacturing	Total	Market	Manufacturing	Total	
	<i>Thousand Pounds</i>			<i>Percent</i>			<i>Percent</i>			
Butte	14,727	600	15,327	3.91	3.66	3.90	9.03	8.28	9.00	29
Colusa <sup>4</sup>										36
Contra Costa	61,354	1,454	62,807	3.71	3.79	3.71	8.57	8.77	8.58	20
Del Norte	49,791	9,937	59,728	3.67	4.86	3.87	8.78	9.35	8.87	21
Fresno	1,743,869	10,072	1,753,942	3.64	3.67	3.64	8.77	8.75	8.77	8
Glenn	260,769	33,518	294,286	3.68	3.66	3.68	8.73	8.72	8.73	13
Humboldt	179,984	100,399	280,384	3.87	4.50	4.10	8.81	9.18	8.94	14
Kern	1,358,974	7,552	1,366,525	3.67	3.60	3.67	8.71	8.70	8.71	9
Kings	2,590,033	8,854	2,598,887	3.66	3.64	3.66	8.77	8.77	8.77	5
Madera	844,233	7,398	851,630	0.74	3.83	3.70	8.74	8.81	8.74	10
Marin	224,575	775	225,351	0.19	3.56	3.66	8.85	8.75	8.85	15
Mendocino <sup>4</sup>										28
Merced	4,222,716	44,029	4,266,745	3.76	3.77	3.76	8.79	8.90	8.79	2
Monterey	54,266		54,266	3.98		3.98	8.86		8.86	23
Placer <sup>4</sup>										
Sacramento	358,186	5,884	364,070	3.80	3.72	3.80	8.75	8.65	8.75	12
San Benito	14,061		14,061	3.73		3.73	8.77		8.77	30
San Joaquin	2,026,659	24,636	2,051,294	3.74	3.73	3.74	8.74	8.67	8.74	7
Santa Clara	10,419	4	10,423	3.30	3.49	3.30	8.71	8.63	8.71	32
Santa Cruz <sup>4</sup>										37
Shasta <sup>4</sup>										35
Siskiyou	33,182		33,182	3.73		3.73	8.81		8.81	25
Solano	31,728	66	31,794	3.82	3.61	3.82	8.81	8.65	8.81	26
Sonoma	658,864	2,916	661,780	3.77	4.05	3.77	8.86	9.00	8.86	11
Stanislaus	3,263,183	60,294	3,323,477	3.74	3.80	3.74	8.76	8.83	8.76	4
Sutter <sup>4</sup>										33
Tehama	72,259	32,389	104,647	3.74	4.40	3.94	8.78	9.21	8.91	17
Tulare	7,562,192	19,102	7,581,294	3.67	3.67	3.67	8.76	8.78	8.76	1
Yolo	28,220	1,561	29,782	4.32	4.78	4.34	9.13	9.29	9.13	27
Yuba	65,650		65,650	4.02		4.02	8.89		8.89	19
<b>Northern Calif.</b>	<b>25,786,498</b>	<b>371,783</b>	<b>26,158,281</b>	<b>3.70</b>	<b>4.03</b>	<b>3.71</b>	<b>8.77</b>	<b>8.95</b>	<b>8.77</b>	
Imperial <sup>4</sup>										18
Los Angeles <sup>4</sup>										24
Riverside	2,349,126	1,496	2,350,622	3.56	3.60	3.56	8.69	8.66	8.69	6
San Bernardino	3,387,694	7,427	3,395,121	3.56	3.63	3.56	8.72	8.65	8.72	3
San Diego	143,276	22	143,298	3.42	3.40	3.42	8.66	8.72	8.66	16
San Luis Obispo <sup>4</sup>										34
Santa Barbara	57,490		57,490	3.63		3.63	8.71		8.71	22
<b>Southern Calif.</b>	<b>6,040,058</b>	<b>9,240</b>	<b>6,049,298</b>	<b>3.56</b>	<b>3.63</b>	<b>3.56</b>	<b>8.71</b>	<b>8.65</b>	<b>8.71</b>	
<b>STATE TOTALS</b>	<b>31,826,556</b>	<b>381,023</b>	<b>32,207,579</b>	<b>3.68</b>	<b>4.02</b>	<b>3.68</b>	<b>8.75</b>	<b>8.94</b>	<b>8.76</b>	

<sup>1</sup> Includes total milk sold. Excludes milk used on ranch.

<sup>2</sup> Counties omitted have no reported milk production.

<sup>3</sup> Tests were computed from unrounded data.

<sup>4</sup> Not published, but included in total.

# CALIFORNIA MILK PRODUCTION, by County, by Month

Table 7. Commercial Production of All Milk in California,  
by County and Region, 2000 <sup>1/</sup>

County and Region <sup>2/</sup>	January	February	March	April	May	June
<i>Pounds</i>						
Butte	2,115,316	1,163,787	1,310,026	1,286,807	1,286,253	1,208,303
Colusa <sup>3/</sup>						
Contra Costa	5,377,764	5,304,668	5,716,528	5,393,978	5,499,012	5,021,881
Del Norte	5,335,585	4,937,605	5,784,744	5,067,432	6,087,190	5,813,045
Fresno	148,040,004	138,837,491	147,680,032	147,727,725	150,609,161	144,314,055
Glenn	26,592,025	25,060,363	27,119,732	25,291,595	24,431,321	23,715,903
Humboldt	20,307,609	18,705,956	22,165,170	24,995,343	27,134,237	26,825,941
Kern	113,487,836	105,467,326	112,190,762	112,728,811	120,769,990	111,656,190
Kings	215,991,936	205,523,206	221,076,969	221,489,322	225,633,383	214,652,009
Madera	69,434,693	65,353,441	69,952,568	70,442,544	73,889,600	70,703,818
Marin	18,764,348	17,411,362	18,962,162	18,676,992	19,595,648	19,073,973
Mendocino <sup>3/</sup>						
Merced	348,399,159	328,840,878	359,593,416	356,207,142	367,639,909	354,136,115
Monterey	4,986,987	4,694,871	4,715,740	4,657,007	5,128,054	4,794,836
Placer <sup>3/</sup>						
Sacramento	31,137,794	28,983,142	30,702,402	30,284,089	31,035,730	30,344,114
San Benito	1,145,532	1,095,478	1,128,755	1,101,040	1,119,132	1,167,721
San Joaquin	164,890,069	156,362,376	170,450,994	168,303,916	174,721,292	170,557,923
Santa Clara	842,602	795,714	843,740	888,239	930,978	912,966
Santa Cruz <sup>3/</sup>						
Shasta <sup>3/</sup>						
Siskiyou	2,474,514	2,186,210	2,603,268	2,659,509	2,944,128	2,957,400
Solano	2,708,189	2,533,572	2,751,992	2,738,407	2,754,262	2,594,222
Sonoma	55,403,820	52,415,425	56,223,000	54,734,054	56,874,780	55,826,733
Stanislaus	273,541,364	257,231,640	283,052,459	281,012,439	288,667,018	278,637,982
Sutter <sup>3/</sup>						
Tehama	7,393,796	6,972,323	7,435,791	9,159,430	9,418,212	9,217,557
Tulare	633,434,387	607,294,638	650,565,548	644,825,859	657,343,992	613,836,271
Yolo	1,649,521	777,803	2,120,202	2,329,663	2,633,848	2,737,526
Yuba	5,615,399	5,376,715	5,756,788	5,652,177	5,584,142	5,396,859
<b>Northern California</b>	<b>2,163,837,760</b>	<b>2,047,696,845</b>	<b>2,214,728,015</b>	<b>2,202,430,513</b>	<b>2,266,706,294</b>	<b>2,160,892,493</b>
Imperial <sup>3/</sup>						
Los Angeles <sup>3/</sup>						
Riverside	215,258,163	199,767,266	199,719,496	199,498,369	203,157,910	196,789,370
San Bernardino	300,213,510	283,224,457	295,828,311	301,191,451	299,920,070	286,466,431
San Diego	13,035,464	11,929,148	12,076,031	11,892,495	12,153,008	11,553,815
San Luis Obispo <sup>3/</sup>						
Santa Barbara	5,016,564	4,710,219	4,834,112	4,692,215	4,896,516	4,827,675
<b>Southern California</b>	<b>542,021,370</b>	<b>508,133,289</b>	<b>521,696,610</b>	<b>526,457,946</b>	<b>529,512,079</b>	<b>508,423,962</b>
<b>STATE TOTALS</b>	<b>2,705,859,130</b>	<b>2,555,830,134</b>	<b>2,736,424,625</b>	<b>2,728,888,459</b>	<b>2,796,218,373</b>	<b>2,669,316,455</b>

<sup>1/</sup> Includes total milk sold. Excludes milk used on ranch.

<sup>2/</sup> Counties omitted have no reported milk production.

<sup>3/</sup> Not published, but included in total.

July	August	September	October	November	December	Total
<i>Pounds</i>						
1,226,412	1,118,180	1,121,702	1,168,212	1,145,575	1,176,212	15,326,785
5,310,680	5,111,968	4,801,760	5,001,047	5,082,015	5,185,994	62,807,295
3,150,170	3,013,278	5,270,901	5,238,942	4,972,589	5,056,196	59,727,677
152,636,373	146,387,104	141,971,104	146,859,322	141,130,550	147,748,744	1,753,941,665
24,412,770	23,839,939	23,078,121	23,902,064	23,053,904	23,788,566	294,286,303
27,130,521	25,659,472	22,900,831	23,246,682	20,801,932	20,510,155	280,383,849
116,174,113	110,827,140	109,721,806	115,936,190	114,089,747	123,475,424	1,366,525,335
222,889,377	215,599,034	208,514,135	217,297,764	210,850,413	219,369,316	2,598,886,864
74,619,511	71,828,565	70,571,396	72,538,836	69,544,639	72,750,804	851,630,415
19,868,662	19,495,612	18,410,568	18,874,907	17,855,306	18,361,179	225,350,719
375,902,767	364,130,256	349,799,059	361,285,223	344,557,827	356,253,604	4,266,745,355
4,882,530	4,835,796	4,578,306	3,970,144	3,474,214	3,547,405	54,265,890
32,104,496	31,442,321	29,315,542	30,282,232	28,833,663	29,604,510	364,070,035
1,250,724	1,252,105	1,205,330	1,232,853	1,160,109	1,202,198	14,060,977
179,985,849	178,233,575	170,359,464	175,712,549	167,954,954	173,761,272	2,051,294,233
935,863	887,499	836,153	856,395	813,772	878,843	10,422,764
3,026,135	2,911,108	2,827,256	2,903,118	2,821,026	2,868,715	33,182,387
2,752,789	2,741,079	2,531,060	2,566,441	2,511,075	2,610,871	31,793,959
58,084,641	57,863,766	54,097,029	55,342,561	52,113,414	52,801,128	661,780,351
293,634,640	283,307,274	271,092,867	277,372,344	264,213,965	271,712,673	3,323,476,665
9,826,545	9,499,643	8,862,669	9,208,768	8,723,597	8,929,114	104,647,445
638,117,311	615,305,563	607,207,498	634,799,730	621,558,526	657,004,756	7,581,294,079
3,085,361	2,811,363	2,879,608	2,899,487	2,852,183	3,005,408	29,781,973
5,693,914	5,423,645	5,313,725	5,535,299	5,070,178	5,231,615	65,650,456
<b>2,261,780,574</b>	<b>2,188,475,519</b>	<b>2,121,774,318</b>	<b>2,198,760,905</b>	<b>2,119,653,266</b>	<b>2,211,544,441</b>	<b>26,158,280,943</b>
201,019,018	190,017,429	184,655,078	187,375,765	181,568,862	191,795,347	2,350,622,073
292,471,094	275,315,302	262,136,495	268,228,115	260,215,414	269,910,442	3,395,121,092
11,986,099	11,826,414	11,614,858	11,864,843	11,418,048	11,947,868	143,298,091
5,117,691	4,926,393	4,813,709	4,778,190	4,370,514	4,506,229	57,490,027
<b>519,665,966</b>	<b>490,211,562</b>	<b>471,057,892</b>	<b>480,323,575</b>	<b>465,251,938</b>	<b>486,541,392</b>	<b>6,049,297,581</b>
<b>2,781,446,540</b>	<b>2,678,687,081</b>	<b>2,592,832,210</b>	<b>2,679,084,480</b>	<b>2,584,905,204</b>	<b>2,698,085,833</b>	<b>32,207,578,524</b>

# CALIFORNIA MARKET MILK PRODUCTION, by County, by Month

Table 8. Commercial Production of Market Milk in California,  
by County and Region, 2000 <sup>1/</sup>

County and Region <sup>2/</sup>	January	February	March	April	May	June
	<i>Pounds</i>					
Butte	2,064,204	1,104,540	1,268,314	1,234,133	1,231,258	1,155,408
Colusa <sup>3</sup>						
Contra Costa	5,154,624	5,015,365	5,370,840	5,238,289	5,147,076	4,954,410
Del Norte	4,834,940	4,525,610	5,131,972	4,181,502	5,057,415	4,783,375
Fresno	147,574,477	137,295,167	143,676,947	147,008,347	149,932,689	144,126,438
Glenn	23,509,619	22,317,038	23,827,577	22,161,945	22,414,241	20,780,240
Humboldt	13,308,394	12,408,545	14,309,995	15,777,341	16,848,821	16,804,052
Kern	113,355,996	104,523,522	111,130,773	112,259,791	120,680,052	109,146,982
Kings	215,411,165	204,498,317	220,101,046	220,142,822	224,192,013	214,225,664
Madera	69,038,350	65,016,653	69,665,595	69,075,313	72,596,789	69,730,589
Marin	18,764,348	17,347,486	18,900,013	18,606,994	19,522,838	18,939,629
Mendocino <sup>3</sup>						
Merced	343,845,466	327,121,565	356,004,582	352,919,229	364,322,197	350,044,675
Monterey	4,986,987	4,694,871	4,715,740	4,657,007	5,128,054	4,794,836
Placer <sup>3</sup>						
Sacramento	30,727,490	28,685,526	30,371,192	29,942,217	30,805,383	30,097,545
San Benito	1,145,532	1,095,478	1,128,755	1,101,040	1,119,132	1,167,721
San Joaquin	162,498,051	154,514,894	167,712,471	164,768,120	172,310,447	168,026,816
Santa Clara	842,602	795,714	843,740	888,239	930,978	912,966
Santa Cruz <sup>3</sup>						
Shasta <sup>3</sup>						
Siskiyou	2,474,514	2,186,210	2,603,268	2,659,509	2,944,128	2,957,400
Solano	2,708,189	2,533,572	2,751,992	2,727,046	2,754,262	2,594,222
Sonoma	55,018,248	52,131,897	55,973,381	54,344,846	56,821,387	55,614,407
Stanislaus	270,155,498	255,299,584	276,920,878	276,185,600	281,894,998	271,708,788
Sutter <sup>3</sup>						
Tehama	4,912,604	4,585,607	4,956,392	6,595,124	6,727,524	6,393,525
Tulare	631,492,605	606,557,178	648,879,857	643,610,192	654,988,844	612,406,296
Yolo	832,982	777,803	1,579,498	2,329,663	2,633,848	2,737,526
Yuba	5,615,399	5,376,715	5,756,788	5,652,177	5,584,142	5,396,859
<b>Northern California</b>	<b>2,135,039,795</b>	<b>2,024,779,712</b>	<b>2,178,406,833</b>	<b>2,168,843,479</b>	<b>2,231,563,538</b>	<b>2,124,289,519</b>
Imperial <sup>3</sup>						
Los Angeles <sup>3</sup>						
Riverside	214,565,403	199,554,642	199,619,826	199,442,353	203,053,124	196,669,083
San Bernardino	299,231,858	282,677,388	295,151,752	300,502,442	299,839,381	285,819,750
San Diego	13,035,464	11,929,148	12,076,031	11,892,495	12,153,008	11,553,815
San Luis Obispo <sup>3</sup>						
Santa Barbara	5,016,564	4,710,219	4,834,112	4,692,215	4,896,516	4,827,675
<b>Southern California</b>	<b>540,346,958</b>	<b>507,362,829</b>	<b>520,920,381</b>	<b>525,712,921</b>	<b>529,326,604</b>	<b>507,445,774</b>
<b>STATE TOTALS</b>	<b>2,675,386,753</b>	<b>2,532,142,541</b>	<b>2,699,327,214</b>	<b>2,694,556,400</b>	<b>2,760,890,142</b>	<b>2,631,735,293</b>

<sup>1/</sup> Includes total milk sold. Excludes milk used on ranch.

<sup>2/</sup> Counties omitted have no reported milk production.

<sup>3/</sup> Not published, but included in total.

July	August	September	October	November	December	Total
<i>Pounds</i>						
1,176,639	1,068,400	1,081,275	1,127,244	1,103,008	1,112,410	14,726,833
5,310,680	5,111,968	4,794,852	4,987,469	5,082,015	5,185,994	61,353,582
2,097,627	2,009,507	4,322,573	4,310,230	4,161,573	4,374,499	49,790,823
151,858,371	145,954,481	141,427,854	146,496,314	140,853,991	147,664,261	1,743,869,337
21,563,394	20,844,164	20,429,044	21,401,024	20,510,587	21,009,747	260,768,620
17,165,884	16,189,440	14,982,555	14,917,495	13,619,368	13,652,516	179,984,406
115,966,196	110,504,435	109,499,207	114,626,631	113,804,546	123,475,424	1,358,973,555
222,225,335	214,995,192	208,138,227	216,773,064	210,270,338	219,059,445	2,590,032,628
73,725,629	71,206,823	70,312,817	72,239,227	69,273,623	72,351,237	844,232,645
19,833,606	19,447,647	18,357,573	18,726,695	17,806,500	18,321,973	224,575,302
371,909,704	360,111,102	345,879,705	357,408,967	340,667,868	352,481,250	4,222,716,310
4,882,530	4,835,796	4,578,306	3,970,144	3,474,214	3,547,405	54,265,890
31,578,983	30,412,319	28,592,932	29,791,405	28,205,955	28,975,137	358,186,084
1,250,724	1,252,105	1,205,330	1,232,853	1,160,109	1,202,198	14,060,977
177,452,297	175,981,131	169,402,830	174,357,670	167,018,401	172,615,375	2,026,658,503
931,655	887,499	836,153	856,395	813,772	878,843	10,418,556
3,026,135	2,911,108	2,827,256	2,903,118	2,821,026	2,868,715	33,182,387
2,752,789	2,741,079	2,521,363	2,521,491	2,511,075	2,610,871	31,727,951
57,900,515	57,705,936	53,867,161	54,782,867	51,937,978	52,765,666	658,864,289
287,294,101	278,796,066	264,843,686	271,140,818	260,311,005	268,631,982	3,263,183,004
6,808,843	6,528,764	6,089,508	6,353,057	6,052,973	6,254,753	72,258,674
635,657,707	613,340,802	606,088,175	633,424,082	619,941,702	655,804,620	7,562,192,060
3,085,361	2,811,363	2,879,608	2,899,487	2,852,183	2,801,161	28,220,483
5,693,914	5,423,645	5,313,725	5,535,299	5,070,178	5,231,615	65,650,456
<b>2,226,227,039</b>	<b>2,156,021,006</b>	<b>2,092,435,377</b>	<b>2,167,512,841</b>	<b>2,093,792,081</b>	<b>2,187,586,836</b>	<b>25,786,498,056</b>
200,938,749	189,974,621	184,601,756	187,375,765	181,568,862	191,761,582	2,349,125,766
291,711,207	274,717,475	261,590,504	267,696,520	259,633,413	269,122,695	3,387,694,385
11,986,099	11,804,042	11,614,858	11,864,843	11,418,048	11,947,868	143,275,719
5,117,691	4,926,393	4,813,709	4,778,190	4,370,514	4,506,229	57,490,027
<b>518,825,810</b>	<b>489,499,395</b>	<b>470,458,579</b>	<b>479,791,980</b>	<b>464,669,937</b>	<b>485,696,563</b>	<b>6,040,057,731</b>
<b>2,745,052,849</b>	<b>2,645,520,401</b>	<b>2,562,893,956</b>	<b>2,647,304,821</b>	<b>2,558,462,018</b>	<b>2,673,283,399</b>	<b>31,826,555,787</b>

# CALIFORNIA MANUFACTURING MILK, by County, by Month

Table 9. Commercial Production of Manufacturing Milk in California, by County and Region, 2000 <sup>1/</sup>

County and Region <sup>2/</sup>	January	February	March	April	May	June
	<i>Pounds</i>					
Butte	51,112	59,247	41,712	52,674	54,995	52,895
Colusa <sup>3/</sup>						
Contra Costa	223,140	289,303	345,688	155,689	351,936	67,471
Del Norte	500,645	411,995	652,772	885,930	1,029,775	1,029,670
Fresno	465,527	1,542,324	4,003,085	719,378	676,472	187,617
Glenn	3,082,406	2,743,325	3,292,155	3,129,650	2,017,080	2,935,663
Humboldt	6,999,215	6,297,411	7,855,175	9,218,002	10,285,416	10,021,889
Kern	131,840	943,804	1,059,989	469,020	89,938	2,509,208
Kings	580,771	1,024,889	975,923	1,346,500	1,441,370	426,345
Madera	396,343	336,788	286,973	1,367,231	1,292,811	973,229
Marin		63,876	62,149	69,998	72,810	134,344
Mendocino <sup>3/</sup>						
Merced	4,553,693	1,719,313	3,588,834	3,287,913	3,317,712	4,091,440
Monterey						
Placer <sup>3/</sup>						
Sacramento	410,304	297,616	331,210	341,872	230,347	246,569
San Benito						
San Joaquin	2,392,018	1,847,482	2,738,523	3,535,796	2,410,845	2,531,107
Santa Clara						
Santa Cruz <sup>3/</sup>						
Solano				11,361		
Sonoma	385,572	283,528	249,619	389,208	53,393	212,326
Stanislaus	3,385,866	1,932,056	6,131,581	4,826,839	6,772,020	6,929,194
Sutter <sup>3/</sup>						
Tehama	2,481,192	2,386,716	2,479,399	2,564,306	2,690,688	2,824,032
Tulare	1,941,782	737,460	1,685,691	1,215,667	2,355,148	1,429,975
Yolo	816,539		540,704			
Yuba						
<b>Northern California</b>	<b>28,797,965</b>	<b>22,917,133</b>	<b>36,321,182</b>	<b>33,587,034</b>	<b>35,142,756</b>	<b>36,602,974</b>
Imperial <sup>3/</sup>						
Los Angeles <sup>3/</sup>						
Riverside	692,760	212,624	99,670	56,016	104,786	120,287
San Bernardino	981,652	547,069	676,559	689,009	80,689	646,681
San Diego						
San Luis Obispo <sup>3/</sup>						
Santa Barbara						
<b>Southern California</b>	<b>1,674,412</b>	<b>770,460</b>	<b>776,229</b>	<b>745,025</b>	<b>185,475</b>	<b>978,188</b>
<b>STATE TOTALS</b>	<b>30,472,377</b>	<b>23,687,593</b>	<b>37,097,411</b>	<b>34,332,059</b>	<b>35,328,231</b>	<b>37,581,162</b>

<sup>1/</sup> Includes total milk sold. Excludes milk used on ranch.

<sup>2/</sup> Counties omitted have no reported milk production.

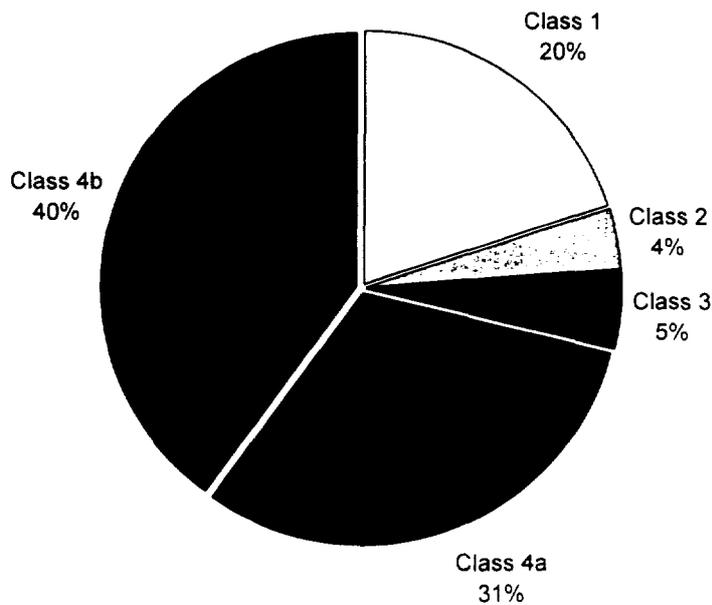
<sup>3/</sup> Not published, but included in total.

July	August	September	October	November	December	Total
<i>Pounds</i>						
49,773	49,780	40,427	40,968	42,567	63,802	599,952
		6,908	13,578			1,453,713
1,052,543	1,003,771	948,328	928,712	811,016	681,697	9,936,854
778,002	432,623	543,250	363,008	276,559	84,483	10,072,328
2,849,376	2,995,775	2,649,077	2,501,040	2,543,317	2,778,819	33,517,683
9,964,637	9,470,032	7,918,276	8,329,187	7,182,564	6,857,639	100,399,443
207,917	322,705	222,599	1,309,559	285,201		7,551,780
664,042	603,842	375,908	524,700	580,075	309,871	8,854,236
893,882	621,742	258,579	299,609	271,016	399,567	7,397,770
35,056	47,965	52,995	148,212	48,806	39,206	775,417
3,993,063	4,019,154	3,919,354	3,876,256	3,889,959	3,772,354	44,029,045
525,513	1,030,002	722,610	490,827	627,708	629,373	5,883,951
2,533,552	2,252,444	956,634	1,354,879	936,553	1,145,897	24,635,730
4,208						4,208
		9,697	44,950			66,008
184,126	157,830	229,868	559,694	175,436	35,462	2,916,062
6,340,539	4,511,208	6,249,181	6,231,526	3,902,960	3,080,691	60,293,661
3,017,702	2,970,879	2,773,161	2,855,711	2,670,624	2,674,361	32,388,771
2,459,604	1,964,761	1,119,323	1,375,648	1,616,824	1,200,136	19,102,019
					204,247	1,561,490
<b>35,553,535</b>	<b>32,454,513</b>	<b>29,338,941</b>	<b>31,248,064</b>	<b>25,861,185</b>	<b>23,957,605</b>	<b>371,782,887</b>
80,269	42,808	53,322			33,765	1,496,307
759,887	597,827	545,991	531,595	582,001	787,747	7,426,707
	22,372					22,372
<b>840,156</b>	<b>712,167</b>	<b>599,313</b>	<b>531,595</b>	<b>582,001</b>	<b>844,829</b>	<b>9,239,850</b>
<b>36,393,691</b>	<b>33,166,680</b>	<b>29,938,254</b>	<b>31,779,659</b>	<b>26,443,186</b>	<b>24,802,434</b>	<b>381,022,737</b>

# POOLED MILK UTILIZATION IN 2000

Utilization of Pooled Grade A milk fat and solids-not-fat (SNF) pounds in 2000 increased 6.6 and 6.0 percent respectively as compared to 1999. Compared with 1999, utilization of Class 1, 2, 3, 4a, and 4b pounds on a total solids basis increased 0.18, 5.5, 9.0, 3.3, and 10.4 percent respectively. Total fat and SNF pounds increased 6.2 percent compared with 1999 and 32.4 percent compared with 1996.

**Chart 2: Utilization of Milk in California by Class, 2000**



Class 1 = Fluid Dairy Products  
 Class 2 = Soft Dairy Products  
 Class 3 = Frozen Dairy Products  
 Class 4a = Butter and Powder  
 Class 4b = Cheese

## Summary of Quota Transfers and Sales Based on Solids-not-Fat, 1996-2000

	Number of Sellers	Number of Buyers	Average Price <sup>1/2/</sup> (dollars)	SNF Transferred (pounds)	Average Ratio
1996	139	149	313	71,205	2.45
1997	90	92	303	52,242	2.45
1998	107	137	323	76,122	2.45
1999	63	93	386	77,278	2.44
2000	73	110	410	71,276	2.41

<sup>1/</sup> Sales without cows.

<sup>2/</sup> Price per pound.

# POOLED MILK UTILIZATION

**Table 10. Utilization of Pooled Milk Fat, in California  
by Class, by Year, 1996-2000 <sup>1/ 2/ 3/</sup>**

Year	Class 1	Class 2	Class 3	Class 4a	Class 4b	Fat Total	Quota <sup>4/</sup>	Non-Quota
<i>Thousand Pounds</i>								
1996	129,371	51,926	83,568	314,993	295,942	875,801	322,882	553,232
1997	134,400	54,346	105,025	339,391	331,390	964,551	332,191	632,360
1998	142,592	57,323	114,232	322,066	350,517	986,730	342,757	643,973
1999	141,418	56,923	106,939	385,187	400,301	1,090,769	346,073	744,695
2000	146,495	60,418	125,855	384,092	445,695	1,162,554	345,693	816,862

<sup>1/</sup> Data are subject to revision.

<sup>2/</sup> Includes pooled milk only. Excludes exempt, non-pool, grade B milk and bulk milk shipped out-of-California.

<sup>3/</sup> Class usage has been adjusted for plant gain and inventory variance.

<sup>4/</sup> Includes other source milk, effective July 1, 1997.

**Table 11. Utilization of Pooled Milk Solids-not-Fat,  
in California by Class, by Year, 1996-2000 <sup>1/ 2/ 3/</sup>**

Year	Class 1	Class 2	Class 3	Class 4a	Class 4b	SNF Total	Quota <sup>4/</sup>	Non-Quota
<i>Thousand Pounds</i>								
1996	568,017	100,919	82,538	558,060	779,523	2,089,057	787,061	1,302,732
1997	586,839	102,780	78,322	674,532	880,791	2,323,263	807,980	1,515,283
1998	609,021	105,963	80,934	629,288	928,321	2,353,528	831,359	1,522,169
1999	610,396	109,337	88,420	781,071	1,017,703	2,606,926	837,470	1,769,456
2000	619,363	114,992	87,204	821,340	1,120,843	2,763,740	837,899	1,925,876

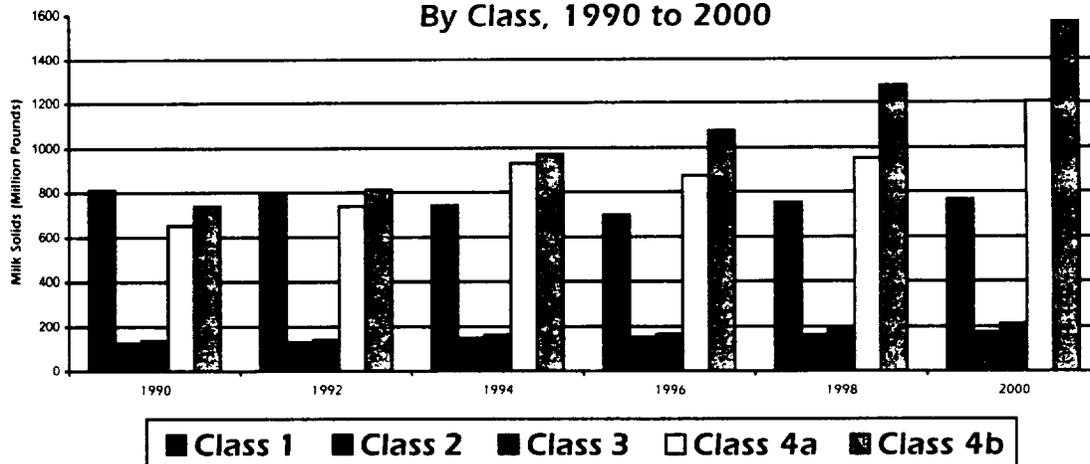
<sup>1/</sup> Data are subject to revision.

<sup>2/</sup> Includes pooled milk only. Excludes exempt, non-pool, grade B milk and bulk milk shipped out-of-California.

<sup>3/</sup> Class usage has been adjusted for plant gain and inventory variance.

<sup>4/</sup> Includes other source milk, effective July 1, 1997.

**Chart 3: Use of Total Pool Milk Solids in California,  
By Class, 1990 to 2000**



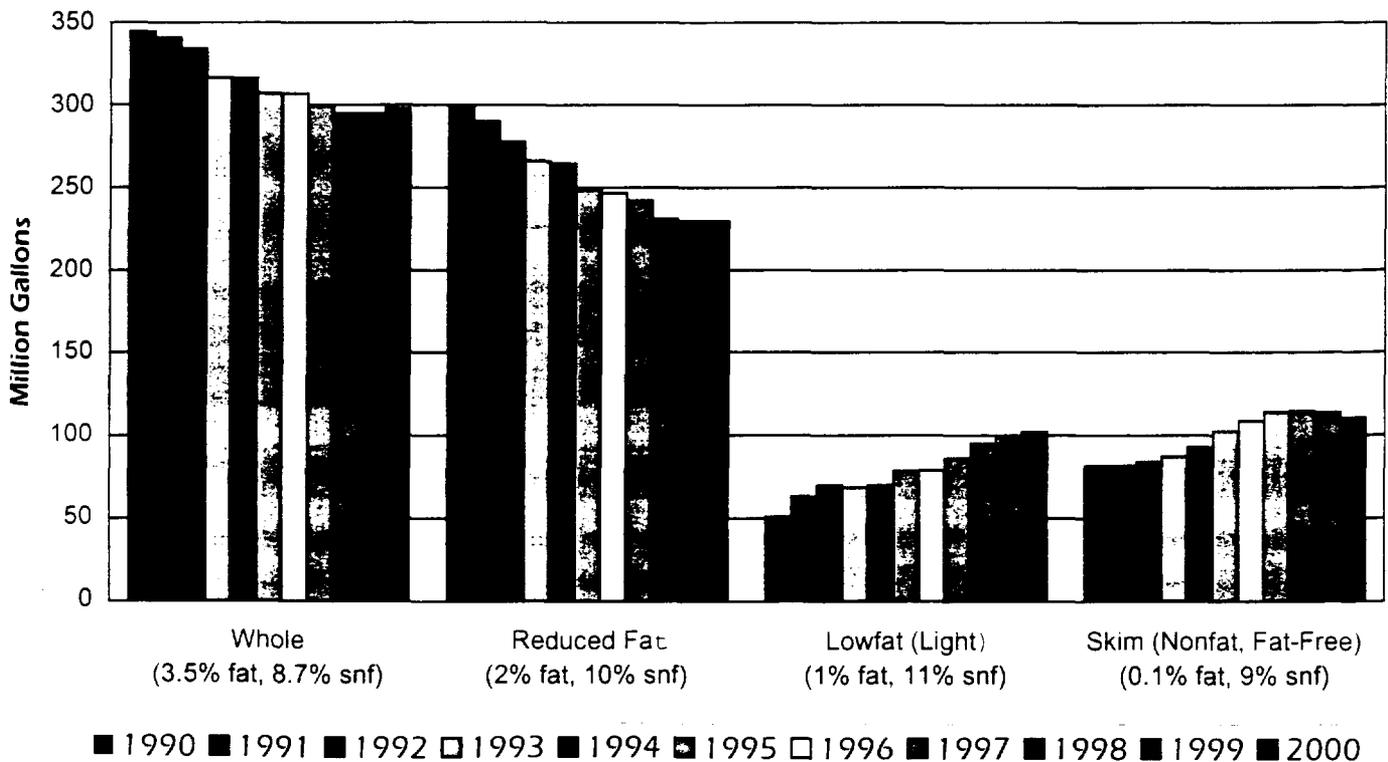
# SALES OF CLASS 1 MARKET MILK PRODUCTS IN 2000

For the second year in a row, total sales of Class 1 market milk products increased, reaching 753 million gallons. In 2000, sales of fluid products were up 0.6 percent compared to an annual average decline of 0.4 percent over the last ten years.

The year 2000 may be a turning point of the long-term trend away from higher fat fluid products. For the first time in ten years, whole milk sales were up. Reduced fat sales continued their ten-year decline. This decline began with the introduction of lowfat milk, which itself continued its ten years of continuous increases. For the second year in a row, skim sales were down, reversing a long-term trend. In 2000, sales of whole, reduced fat, lowfat and skim milks were, respectively, up 1.2 percent, down 0.1 percent, up 4.3 percent and down 2.8 percent.

Sales of fluid Class 1 products made up 98 percent of all Class 1 sales: 40 percent whole, 30 percent reduced fat, 14 percent lowfat, and 15 percent skim.

**Chart 4: Sales of Fluid Class 1 Market Milk Products  
California, 1990 to 2000**



# CLASS 1 SALES

Table 12. Sales of Class 1 Market Milk Products in California, by Year, 1996-2000 <sup>1/</sup>

Year	Whole Milk	Reduced Fat Milk	Lowfat/Light Milk	Skim/Nonfat Fat-Free Milk	Subtotal Beverage Milks	Half and Half	Total Class 1 <sup>2/</sup>	Total Class 1 Milk Change From Prior Year
								Percent
<i>Thousand Gallons</i>								
1996	306,642	246,615	79,007	108,436	740,700	10,584	752,299	0.7
1997	299,164	242,078	86,129	113,982	741,354	10,637	752,500	0.0
1998	294,670	230,819	94,754	114,546	734,789	11,324	746,409	-0.8
1999	294,421	229,583	97,948	113,677	735,629	12,768	748,682	0.3
2000	297,815	229,453	102,128	110,540	739,936	13,002	753,217	0.6
<b>1997</b>								
January	25,335	20,546	7,391	9,647	62,918	859	63,824	0.5
February	22,815	18,617	6,687	9,001	57,121	819	57,983	-4.2
March	25,481	20,736	7,433	9,972	63,622	898	64,581	-0.5
April	24,120	19,742	7,158	9,463	60,482	869	61,414	-1.0
May	25,029	20,540	7,551	9,932	63,052	865	63,967	0.7
June	24,334	19,500	6,552	8,995	59,381	816	60,259	0.7
July	25,373	20,067	6,468	8,824	60,733	875	61,650	-0.3
August	25,742	20,187	6,762	8,969	61,660	835	62,533	0.0
September	25,543	20,721	7,749	10,015	64,028	853	64,906	3.4
October	25,661	21,063	7,902	10,310	64,936	929	65,906	0.3
November	24,181	19,818	7,176	9,482	60,657	976	61,650	-2.0
December	25,551	20,543	7,301	9,370	62,765	1,042	63,826	2.7
<b>1998</b>								
January	25,085	19,985	8,028	9,878	62,976	898	63,894	0.1
February	23,221	18,173	7,560	9,204	58,158	860	59,044	1.8
March	25,080	20,053	8,503	10,236	63,872	940	64,842	0.4
April	23,897	18,731	7,755	9,356	59,739	919	60,688	-1.2
May	24,135	19,154	8,171	9,787	61,247	925	62,205	-2.8
June	24,405	18,880	7,516	9,197	59,998	950	60,976	1.2
July	24,693	18,887	7,248	8,892	59,720	912	60,649	-1.6
August	24,501	18,844	7,294	8,880	59,518	880	60,431	-3.4
September	24,712	19,498	8,298	9,933	62,441	927	63,392	-2.3
October	25,324	20,038	8,644	10,289	64,295	981	65,292	-0.9
November	23,689	18,611	7,773	9,362	59,435	999	60,453	-1.9
December	25,929	19,964	7,964	9,533	63,390	1,133	64,542	1.1
<b>1999</b>								
January	24,194	19,085	8,056	9,747	61,082	924	62,043	-2.9
February	22,573	17,826	7,559	9,182	57,138	954	58,116	-1.6
March	25,300	20,044	8,618	10,473	64,436	1,078	65,546	1.1
April	24,264	19,066	8,044	9,608	60,982	1,084	62,086	2.3
May	24,442	19,211	8,319	9,776	61,748	1,033	62,803	1.0
June	23,981	18,511	7,579	8,986	59,057	1,034	60,112	-1.4
July	25,052	19,176	7,588	8,861	60,678	1,043	61,735	1.8
August	25,773	19,488	7,662	8,735	61,657	1,093	62,771	3.9
September	25,004	19,236	8,759	9,590	62,589	1,104	63,714	0.5
October	24,300	19,442	8,715	9,905	62,362	1,097	63,483	-2.8
November	24,081	18,917	8,568	9,559	61,126	1,145	62,292	3.0
December	25,457	19,579	8,480	9,256	62,772	1,179	63,980	-0.9
<b>2000</b>								
January	24,553	19,102	8,661	9,609	61,924	1,035	63,002	1.5
February	24,003	18,412	8,276	9,368	60,059	1,041	61,118	5.2
March	25,923	20,077	9,189	10,139	65,328	1,113	66,461	1.4
April	23,365	18,187	8,015	8,883	58,449	989	59,456	-4.2
May	24,683	19,321	8,891	9,750	62,645	1,029	63,695	1.4
June	24,582	18,840	7,952	8,941	60,315	1,049	61,378	2.1
July	24,570	18,890	7,656	8,161	59,277	1,019	60,316	-2.3
August	25,256	19,212	8,116	8,538	61,121	1,079	62,227	-0.9
September	25,378	19,569	9,157	9,568	63,672	1,061	64,772	1.7
October	25,095	19,426	9,231	9,489	63,241	1,137	64,400	1.4
November	24,877	18,994	8,627	9,191	61,690	1,250	62,964	1.1
December	25,530	19,425	8,357	8,902	62,215	1,201	63,428	-0.9

<sup>1/</sup> Monthly totals may not add to annual totals due to rounding.

<sup>2/</sup> Miscellaneous Class 1 Products are included in the total. See Table 13 for annual total of miscellaneous Class 1 products.

# CLASS 1 SALES

Table 13. Sales of Selected Class 1 Products in California by Marketing Areas, 1996 - 2000

Products & Marketing Areas	1996	1997 <sup>1/</sup>	Sales		
			1998 <sup>1/</sup>	1999 <sup>1/</sup>	2000 <sup>1/</sup>
	<i>Gallons</i>				
<b>Whole Milk</b>					
Northern California	84,976,524	106,205,641	109,128,650	111,175,937	112,947,792
South Valley	23,499,211				
Southern California	198,166,179	192,958,244	185,541,612	183,245,299	184,867,122
State Total	306,641,914	299,163,885	294,670,262	294,421,236	297,814,914
<b>Reduced Fat Milk</b>					
Northern California	84,394,162	98,460,584	97,896,216	97,614,576	97,036,423
South Valley	16,749,097				
Southern California	145,471,703	143,617,686	132,922,404	131,968,040	132,416,984
State Total	246,614,962	242,078,270	230,818,620	229,582,616	229,453,407
<b>Lowfat/Light Milk</b>					
Northern California	35,858,719	45,769,013	47,968,093	48,881,636	51,171,432
South Valley	6,350,843				
Southern California	36,797,372	40,360,445	46,785,488	49,066,163	50,956,587
State Total	79,006,934	86,129,458	94,753,581	97,947,799	102,128,019
<b>Skim/Nonfat/Fat Free Milk</b>					
Northern California	38,297,217	46,390,276	47,862,174	46,769,535	44,854,948
South Valley	5,797,965				
Southern California	64,340,889	67,592,064	66,684,238	66,907,663	65,684,742
State Total	108,436,071	113,982,340	114,546,412	113,677,198	110,539,690
<b>Beverage Milks Subtotal</b>					
Northern California	243,526,622	296,825,514	302,855,133	304,441,684	306,010,595
South Valley	52,397,116				
Southern California	444,776,143	444,528,439	431,933,742	431,187,165	433,925,435
State Total	740,699,881	741,353,953	734,788,875	735,628,849	739,936,030
<b>Half-and-Half</b>					
Northern California	5,453,088	5,704,675	5,836,994	6,590,954	6,974,895
South Valley	392,038				
Southern California	4,739,237	4,931,893	5,486,791	6,177,145	6,027,565
State Total	10,584,363	10,636,568	11,323,785	12,768,099	13,002,460
<b>Miscellaneous Class 1</b>					
Northern California	716,868	422,038	257,180	275,699	265,034
Southern California	297,763	87,141	39,515	9,077	13,793
State Total	1,014,631	509,179	296,695	284,776	278,827
<b>Total Class 1</b>					
Northern California		302,952,227	308,949,307	311,308,337	313,250,524
Southern California		449,547,473	437,460,048	437,373,387	439,966,793
<b>STATE TOTALS</b>	<b>752,298,875</b>	<b>752,499,700</b>	<b>746,409,355</b>	<b>748,681,724</b>	<b>753,217,317</b>

<sup>1/</sup> As a result of the decisions of the October 1996 consolidation hearings, the South Valley and Northern California marketing areas were combined into one Northern California marketing area.

# MANUFACTURE OF DAIRY PRODUCTS IN 2000

California leads the nation in milk production. It also leads the nation in the production of many manufactured dairy products: yogurt, nearly all categories of ice cream, sherbet, frozen yogurt, Hispanic cheese, butter, nonfat dry milk (NFDM), dry butter milk, and whey protein concentrate (WPC). California is second or third in the production of most other manufactured products: cottage cheese, ice cream mixes, dry skim whey and total cheese, as well as American and Italian cheeses.

## Class 2 (Soft Dairy Products)

During 2000, total cottage cheese production declined to 101 million pounds. Production was down 0.9 percent compared to an annual average decline of 0.7 percent over the last ten years. Production of cottage cheese curd, creamed cottage cheese, lowfat and nonfat cottage cheese were, respectively, down 9.0 percent, down 1.7 percent, up 4.7 percent and down 16.3 percent.

During 2000, yogurt production increased to 29 million gallons. Production was up 8.0 percent compared to an annual average increase of 0.6 percent over the last ten years. Sour cream and sour cream dressing also showed an increase in production, reaching 19 million gallons. Production was up 5.6 percent compared to a ten-year annual average increase of 3.6 percent. Similarly, buttermilk production increased to 8.3 million gallons. Production was up 6.9 percent compared to a ten-year annual average decrease of 1.7 percent.

## Class 3 (Frozen Dairy Products)

During 2000, total frozen product production declined to 163 million gallons. Production was down 1.0 percent compared to an annual average decline of 0.5 percent over the last ten years. Production of ice cream, ice milk, sherbet and frozen yogurt were, respectively, down 0.8 percent, down 0.8 percent, down 9.7 percent, and up 5.0 percent.

The shares of total frozen product production were 73 percent ice cream, 19 percent ice milk, 4 percent sherbet, and 4 percent frozen yogurt.

## Class 4a (Butter and Nonfat Dry Milk)

Continuing their steady advance, both butter and nonfat dry milk (NFDM) production were up in 2000. Butter production rose 4.8 percent to 343 million pounds; the annual average increase over the last ten years was 2.5 percent. NFDM production rose 6.3 percent to 693 million pounds; the annual average increase over the last ten years was 7.9 percent.

## Class 4b (Cheese and Whey Byproducts)

Class 4b utilization has been growing faster than the other four classes. The year 2000 was no exception. Total cheese production increased to 1.49 billion pounds. Production was up 6.6 percent compared to an annual average increase of 7.9 percent over the last ten years. Production percentage breakdowns were as follows: Mozzarella (up 3.4 percent), Cheddar (up 16.3 percent), Monterey (down 3.7 percent), Hispanic (up 11.8 percent), other Italian (up 0.1 percent), and all other cheese (up 3.4 percent). The shares of total cheese production were 45 percent mozzarella, 33 percent Cheddar, 11 percent Monterey, 4 percent Hispanic, 3 percent other Italian, and 3 percent all other.

# CLASS 2 PRODUCTION

**Table 14. Production of Class 2 Products in California, 1996-2000**

Month	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
<b>Dry Curd Cottage Cheese</b>						<b>Cottage Cheese</b>				
	<i>Pounds</i>					<i>Pounds</i>				
Jan	4,210,519	4,440,650	4,140,153	4,691,776	4,068,976	2,507,046	2,640,818	2,533,987	2,611,311	2,820,982
Feb	4,183,189	4,316,872	4,017,726	3,937,163	4,083,180	2,534,951	2,462,080	2,452,261	2,533,273	2,793,239
Mar	4,367,029	4,215,884	4,711,136	5,009,274	4,440,481	2,514,030	2,585,722	2,916,028	3,162,680	2,972,432
Apr	4,865,313	4,355,300	4,318,445	4,403,351	3,999,603	2,741,907	2,586,864	2,649,500	2,920,229	2,708,378
May	5,195,937	4,859,676	4,697,136	4,438,328	4,397,510	2,960,583	2,758,136	2,807,971	2,754,099	2,950,305
Jun	4,666,878	4,535,742	4,599,086	4,820,840	4,348,146	2,865,014	2,673,042	2,822,636	3,103,636	3,035,702
Jul	4,762,839	4,571,760	4,751,501	4,623,984	3,828,581	2,939,203	2,737,989	3,022,655	2,950,478	2,658,627
Aug	5,249,434	4,468,368	4,725,370	4,672,257	4,619,148	3,002,110	2,838,181	2,848,432	2,992,818	2,993,890
Sep	4,934,830	4,702,632	4,930,694	4,457,869	4,258,920	2,803,510	2,720,110	2,921,810	2,874,106	2,745,089
Oct	4,802,151	4,731,467	4,627,642	4,540,695	4,156,141	2,855,112	2,788,391	2,874,223	2,942,017	2,785,358
Nov	4,192,060	3,964,608	4,330,298	4,129,912	3,006,737	2,380,486	2,833,777	2,625,167	2,734,132	2,602,800
Dec	4,122,367	3,829,600	4,356,412	3,595,210	3,476,264	2,461,308	2,565,019	2,772,021	2,486,653	2,429,192
<b>Total</b>	<b>55,552,546</b>	<b>52,992,559</b>	<b>54,205,599</b>	<b>53,520,659</b>	<b>48,683,687</b>	<b>32,565,260</b>	<b>32,190,129</b>	<b>33,246,691</b>	<b>34,065,432</b>	<b>33,495,994</b>
<b>Lowfat Cottage Cheese</b>						<b>Nonfat Cottage Cheese</b>				
	<i>Pounds</i>					<i>Pounds</i>				
Jan	3,263,705	3,515,847	3,631,423	3,769,481	4,215,353	1,443,177	1,551,074	1,433,048	1,340,170	1,149,489
Feb	3,105,446	3,271,629	3,656,337	3,632,721	4,401,917	1,365,228	1,399,704	1,412,718	1,233,811	1,229,703
Mar	3,202,054	3,625,698	4,243,629	4,581,976	4,634,141	1,459,371	1,468,834	1,595,783	1,622,884	1,260,617
Apr	3,576,425	3,608,277	3,954,900	4,092,427	4,354,979	1,566,935	1,564,548	1,494,762	1,364,953	1,171,203
May	3,987,313	4,004,964	4,157,163	3,951,522	4,950,314	1,678,262	1,628,807	1,564,314	1,270,195	1,259,637
Jun	3,659,913	3,733,443	4,061,760	4,519,436	4,648,516	1,577,674	1,524,287	1,380,770	1,472,444	1,186,840
Jul	3,781,954	3,945,054	4,299,314	4,648,671	4,302,965	1,663,556	1,655,721	1,652,581	1,480,001	1,040,388
Aug	4,017,558	3,989,088	4,092,092	4,711,042	4,984,704	1,638,671	1,568,809	1,455,320	1,506,962	1,267,568
Sep	3,837,693	4,063,618	4,006,469	4,571,445	4,543,588	1,647,655	1,679,920	1,546,662	1,450,810	1,127,848
Oct	3,634,205	4,102,139	4,232,051	4,661,779	4,596,042	1,564,740	1,605,666	1,412,123	1,400,701	1,132,905
Nov	3,208,674	4,100,230	3,728,277	4,259,848	4,142,126	1,458,220	1,349,203	1,311,227	1,251,568	1,057,336
Dec	3,150,781	3,436,227	3,976,768	3,685,255	3,693,698	1,359,417	1,363,844	1,391,632	1,101,318	921,437
<b>Total</b>	<b>42,425,721</b>	<b>45,396,214</b>	<b>48,040,183</b>	<b>51,085,603</b>	<b>53,468,343</b>	<b>18,422,906</b>	<b>18,360,417</b>	<b>17,650,940</b>	<b>16,495,817</b>	<b>13,804,971</b>
<b>Total Cottage Cheese</b>						<b>Buttermilk</b>				
	<i>Pounds</i>					<i>Gallons</i>				
Jan	7,213,928	7,707,739	7,598,458	7,720,962	8,185,824	642,341	638,022	628,724	621,974	655,557
Feb	7,005,625	7,133,413	7,521,316	7,399,805	8,424,859	616,547	621,056	612,625	602,524	658,934
Mar	7,175,455	7,680,254	8,755,440	9,367,540	8,867,190	684,298	695,443	722,875	690,137	744,874
Apr	7,885,267	7,759,689	8,099,162	8,377,609	8,234,560	685,913	660,090	647,433	640,651	690,987
May	8,626,158	8,391,907	8,529,448	7,975,816	9,160,256	698,890	695,793	740,349	649,492	695,672
Jun	8,102,601	7,930,772	8,265,166	9,095,516	8,871,058	641,221	662,879	658,921	655,422	698,834
Jul	8,384,713	8,338,764	8,974,550	9,079,150	8,001,980	701,272	692,674	696,417	640,946	674,367
Aug	8,658,339	8,396,078	8,395,844	9,210,822	9,246,162	674,114	686,442	661,395	649,888	728,231
Sep	8,288,858	8,463,648	8,474,941	8,896,361	8,416,525	654,637	659,536	674,847	636,568	657,843
Oct	8,054,057	8,496,196	8,518,397	9,004,497	8,514,305	686,242	673,935	685,030	660,142	711,213
Nov	7,047,380	8,283,210	7,664,671	8,245,548	7,802,262	657,953	698,532	666,991	672,303	708,372
Dec	6,971,506	7,365,090	8,140,421	7,273,226	7,044,327	681,151	706,756	658,443	685,315	717,460
<b>Total</b>	<b>93,413,887</b>	<b>95,946,760</b>	<b>98,937,814</b>	<b>101,646,852</b>	<b>100,769,308</b>	<b>8,024,579</b>	<b>8,091,158</b>	<b>8,054,050</b>	<b>7,805,362</b>	<b>8,342,344</b>

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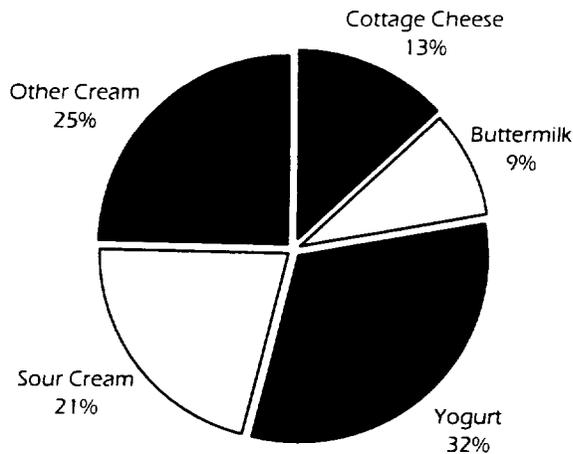
# CLASS 2 PRODUCTION - Continued

Table 14 Continued: Production of Class 2 Products in California, 1996-2000

Month	1996	1997 <sup>1/</sup>	1998	1999	2000	1996	1997	1998	1999	2000
<b>Yogurt Sales <sup>2/</sup></b>						<b>Yogurt Production</b>				
	<i>Gallons</i>					<i>Gallons</i>				
Jan	2,035,064	1,712,273					1,770,561	2,095,977	2,337,756	
Feb	1,766,745	1,691,647					1,868,790	2,059,444	2,581,825	
Mar	2,043,608	1,937,172					1,950,942	2,453,484	2,653,961	
Apr	2,184,162	1,772,210					1,757,910	2,099,854	2,373,395	
May	1,908,455	1,892,979					1,740,942	2,329,072	2,641,122	
Jun	1,813,133	1,730,285					1,738,182	2,225,384	2,456,243	
Jul	2,041,581	1,701,253					1,728,269	2,106,504	2,174,418	
Aug	1,951,288	1,970,266					1,985,903	2,459,776	2,649,323	
Sep	1,753,716					1,858,054	2,035,320	2,363,433	2,513,232	
Oct	1,666,675					1,754,884	2,055,361	2,287,914	2,248,768	
Nov	1,181,505					1,433,115	1,669,174	2,014,297	1,957,911	
Dec	1,304,372					1,573,504	1,961,156	1,976,348	1,988,830	
<b>Total</b>	<b>21,650,304</b>	<b>14,408,085</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,619,557</b>	<b>22,262,510</b>	<b>26,471,487</b>	<b>28,576,784</b>
<b>Sour Cream &amp; Sour Cream Dressing <sup>4/</sup></b>						<b>Other Cream <sup>4/</sup></b>				
	<i>Gallons</i>					<i>Gallons</i>				
Jan	1,124,229	1,230,094	1,264,657	1,241,644	1,464,176	956,993	1,229,895	1,301,325	1,666,946	1,652,704
Feb	1,085,281	1,241,489	1,287,741	1,276,637	1,344,120	1,181,860	1,393,295	1,350,567	1,692,374	1,731,289
Mar	1,229,213	1,455,444	1,510,250	1,596,376	1,526,809	1,236,644	1,588,301	1,448,846	1,979,584	1,919,674
Apr	1,115,169	1,279,904	1,448,085	1,379,766	1,550,882	1,236,510	1,510,187	1,593,544	1,954,569	1,829,788
May	1,240,536	1,468,051	1,502,499	1,509,812	1,659,034	1,448,250	1,555,797	1,703,843	1,878,669	1,914,200
Jun	1,286,467	1,384,129	1,598,243	1,580,088	1,621,458	1,446,663	1,546,098	1,678,017	1,845,780	1,936,977
Jul	1,234,898	1,372,642	1,458,779	1,427,768	1,409,288	1,367,224	1,724,153	1,819,245	1,851,074	1,755,234
Aug	1,216,740	1,382,988	1,370,661	1,581,337	1,734,355	1,182,681	1,587,152	1,495,019	1,859,085	1,885,127
Sep	1,065,217	1,313,995	1,446,652	1,530,815	1,516,973	1,218,849	1,501,935	1,496,192	1,769,105	1,704,542
Oct	1,260,970	1,497,422	1,338,049	1,521,949	1,634,416	1,332,167	3,094,706	1,689,213	1,862,280	1,812,726
Nov	1,391,268	1,636,733	1,709,075	1,801,492	1,946,348	1,541,909	3,078,379	1,671,150	2,103,560	2,238,506
Dec	1,417,035	1,474,304	1,739,816	1,741,117	1,796,607	1,468,487	1,913,791	1,858,437	1,804,512	1,821,529
<b>Total</b>	<b>14,667,023</b>	<b>16,737,195</b>	<b>17,674,507</b>	<b>18,188,801</b>	<b>19,204,466</b>	<b>15,618,237</b>	<b>21,723,689</b>	<b>19,105,398</b>	<b>22,267,538</b>	<b>22,202,296</b>

<sup>1/</sup> Prior to September 1997, yogurt reported as sales  
<sup>2/</sup> Includes out-of-state sales  
<sup>3/</sup> Yogurt reported as production since September 1997.  
<sup>4/</sup> Figures for 1998 have been revised

Chart 5: Class 2 Products in 2000



# CLASS 3 PRODUCTION

Table 15. Production of Class 3 Products in California, 1996-2000

Month	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
<b>Ice Cream</b>						<b>Ice Milk <sup>1/2</sup></b>				
	<i>Gallons</i>					<i>Gallons</i>				
Jan	7,237,872	7,213,305	6,550,412	6,699,006	6,256,583	2,000,350	2,223,688	1,981,943	1,947,467	1,940,035
Feb	7,870,710	7,750,700	8,167,784	8,274,693	9,181,476	2,024,664	2,228,164	2,214,796	2,024,195	2,119,082
Mar	8,961,585	9,800,628	10,439,699	10,110,694	10,735,985	2,552,789	2,608,242	2,678,914	2,667,290	2,660,509
Apr	9,102,822	10,083,395	10,220,092	10,812,213	10,882,246	2,475,930	2,775,402	2,923,329	2,600,226	2,823,492
May	10,535,138	11,112,408	10,024,147	11,548,117	11,988,851	2,925,049	2,636,844	2,840,564	2,874,893	3,049,063
Jun	11,610,718	12,128,916	11,237,205	14,208,437	12,851,834	3,078,100	3,206,953	4,062,686	3,498,290	3,393,441
Jul	11,576,419	11,340,875	11,388,020	13,265,859	11,817,934	2,902,167	2,850,081	3,607,295	3,322,150	3,007,784
Aug	11,782,936	10,674,421	11,245,395	12,027,289	11,844,433	3,102,792	3,415,208	3,728,629	2,733,620	3,178,474
Sep	9,013,366	9,065,192	10,721,316	9,603,135	10,718,609	2,522,506	2,757,163	2,767,433	2,770,217	2,474,820
Oct	7,550,119	7,410,188	7,671,561	8,448,320	8,947,819	2,510,566	2,641,281	2,017,676	2,425,654	2,382,419
Nov	5,858,321	6,667,610	6,512,674	8,037,029	7,246,704	1,980,900	2,067,522	2,042,523	2,012,498	1,856,411
Dec	6,335,814	6,424,870	6,386,618	6,573,065	6,222,445	1,846,170	2,038,106	1,985,860	2,167,657	1,908,634
<b>Total</b>	<b>107,435,819</b>	<b>109,672,508</b>	<b>110,564,922</b>	<b>119,607,855</b>	<b>118,694,919</b>	<b>29,921,985</b>	<b>31,448,656</b>	<b>32,851,648</b>	<b>31,044,159</b>	<b>30,794,164</b>
<b>Sherbet</b>						<b>Frozen Yogurt <sup>2/3</sup></b>				
	<i>Gallons</i>					<i>Gallons</i>				
Jan	542,557	365,187	492,690	504,542	479,942	1,066,994	723,598	600,008	496,880	291,251
Feb	524,229	471,529	471,150	623,477	619,643	968,496	863,938	666,069	425,114	402,664
Mar	628,412	603,604	690,515	799,381	856,001	1,216,126	943,173	860,648	639,014	623,598
Apr	527,905	649,955	668,582	731,192	685,648	1,211,046	910,818	791,187	670,550	540,792
May	647,057	752,784	642,492	845,916	713,405	1,157,528	1,034,533	706,134	646,488	796,499
Jun	655,070	764,171	789,828	941,591	825,459	1,088,362	1,080,328	776,150	728,422	700,918
Jul	642,884	632,924	825,198	854,176	708,622	1,318,966	942,352	849,714	696,238	679,730
Aug	722,343	565,791	848,705	888,934	818,519	1,045,066	790,205	913,826	548,134	755,168
Sep	499,137	485,736	660,494	594,940	615,229	1,133,254	1,032,592	789,022	424,858	611,174
Oct	465,335	472,210	530,283	573,191	466,649	753,085	756,923	603,901	412,142	476,509
Nov	311,422	360,945	426,066	521,157	262,407	639,899	560,707	505,981	355,104	438,154
Dec	310,364	266,367	331,384	217,086	260,865	509,144	537,870	389,906	307,080	353,094
<b>Total</b>	<b>6,476,715</b>	<b>6,391,203</b>	<b>7,377,387</b>	<b>8,095,583</b>	<b>7,312,389</b>	<b>12,107,966</b>	<b>10,177,037</b>	<b>8,452,546</b>	<b>6,350,026</b>	<b>6,669,552</b>
<b>Total Frozen Products</b>										
	<i>Gallons</i>									
Jan	10,847,773	10,525,779	9,625,052	9,647,895	8,967,812					
Feb	11,388,099	11,314,331	11,519,799	11,347,479	12,322,865					
Mar	13,358,912	13,955,647	14,669,777	14,216,379	14,876,093					
Apr	13,317,703	14,419,570	14,603,190	14,814,182	14,932,177					
May	15,264,772	15,536,569	14,213,337	15,915,414	16,547,819					
Jun	16,432,250	17,180,368	16,865,869	19,376,740	17,771,653					
Jul	16,440,437	15,766,232	16,670,227	18,138,423	16,214,070					
Aug	16,653,136	15,445,625	16,736,554	16,197,978	16,596,595					
Sep	13,168,264	13,340,684	14,938,265	13,393,149	14,419,832					
Oct	11,279,105	11,280,603	10,823,421	11,859,308	12,273,396					
Nov	8,790,543	9,656,783	9,487,245	10,925,788	9,803,675					
Dec	9,001,492	9,267,214	9,093,768	9,264,888	8,745,039					
<b>Total</b>	<b>155,942,486</b>	<b>157,689,404</b>	<b>159,246,503</b>	<b>165,097,622</b>	<b>163,471,024</b>					

<sup>1</sup> Includes Light Dairy Dessert and Nonfat Ice Cream.

<sup>2</sup> Figures for 1998 have been revised.

<sup>3</sup> Includes nonfat and reduced fat yogurts.

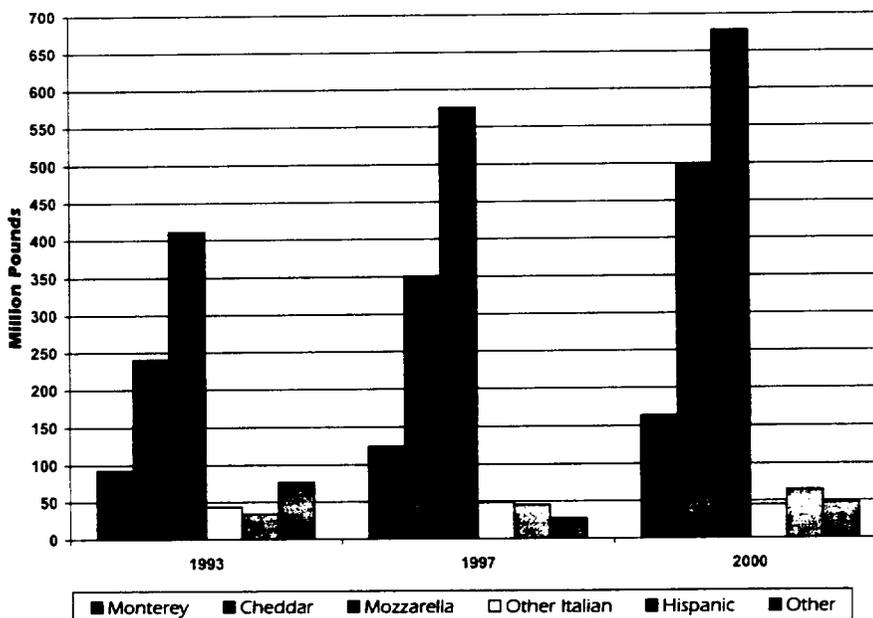
# CLASS 4a PRODUCTION

Table 16. Production of Class 4a Products in California, 1996-2000

Month	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
	<b>Butter <sup>1/</sup></b>					<b>Nonfat Dry Milk for Human Consumption</b>				
	<i>Pounds</i>					<i>Pounds</i>				
Jan	31,618,561	34,085,356	35,635,316	33,502,564	37,961,355	34,755,093	39,817,501	47,169,059	52,372,596	64,688,853
Feb	28,897,130	25,959,895	26,545,912	30,856,350	34,983,266	32,629,384	36,061,587	37,593,560	46,622,594	59,591,800
Mar	28,444,664	26,596,507	27,926,947	33,313,731	34,852,626	34,360,496	47,350,166	42,065,641	57,108,002	59,338,263
Apr	27,523,289	33,371,582	28,807,335	31,749,069	31,272,401	38,327,553	53,309,175	46,885,726	60,575,269	62,879,474
May	24,325,891	28,149,157	27,432,089	30,775,161	30,821,795	37,039,723	50,294,434	48,520,566	60,673,485	60,636,502
Jun	17,166,010	21,521,370	17,887,861	21,452,978	23,088,248	34,960,571	48,198,148	41,877,952	52,800,820	57,496,620
Jul	18,321,594	23,590,725	16,454,476	17,797,187	22,868,521	34,113,651	50,437,763	41,255,157	49,652,818	58,795,556
Aug	19,282,938	20,803,424	19,193,841	22,795,746	23,515,480	29,436,103	46,138,383	37,247,245	52,381,665	50,380,206
Sep	24,611,917	24,492,913	19,238,858	25,482,050	27,112,795	33,091,349	40,651,000	34,162,421	49,830,503	51,971,818
Oct	27,163,608	26,132,068	30,532,778	29,089,780	29,947,209	36,790,828	44,547,431	41,544,323	50,983,164	53,916,497
Nov	28,164,521	23,805,530	28,784,471	30,589,389	30,100,823	37,939,630	44,032,328	39,467,734	54,760,663	54,458,312
Dec	30,146,759	25,696,843	34,310,297	35,985,006	33,488,022	42,526,928	47,673,656	49,345,406	64,276,917	58,800,133
<b>Total</b>	<b>305,666,882</b>	<b>314,207,370</b>	<b>312,750,181</b>	<b>343,389,011</b>	<b>360,012,541</b>	<b>425,971,309</b>	<b>548,511,572</b>	<b>507,134,790</b>	<b>652,038,496</b>	<b>692,954,036</b>
	<b>Nonfat Dry Milk for Animal Consumption</b>					<b>Condensed Skim Bulk</b>				
	<i>Pounds</i>					<i>Pounds</i>				
Jan	143,053	177,908	177,394	178,997	288,364	42,527,559	36,916,606	40,881,831	55,774,996	47,685,321
Feb	135,674	130,774	127,777	119,160	264,238	40,037,293	35,086,316	35,481,327	54,721,297	44,483,568
Mar	150,999	194,239	160,077	209,801	265,239	44,677,105	40,429,208	45,193,527	62,996,873	47,385,038
Apr	95,951	166,525	109,270	206,452	250,673	45,325,582	43,415,623	42,614,759	57,224,672	40,525,456
May	134,850	217,644	160,184	265,376	334,838	48,311,710	47,631,454	45,270,287	58,336,776	42,926,692
Jun	120,975	232,907	142,025	279,120	319,772	50,442,544	45,238,660	43,151,999	53,186,638	42,067,395
Jul	205,900	250,523	182,620	225,604	371,375	52,593,184	46,622,077	48,320,215	52,143,700	43,210,463
Aug	145,022	260,677	147,486	227,303	279,443	50,356,679	43,946,548	48,730,904	54,308,884	45,693,592
Sep	131,855	162,794	172,275	278,548	195,740	51,503,471	43,505,400	52,781,263	51,903,120	40,994,616
Oct	158,684	189,397	144,463	220,299	158,163	47,438,348	38,654,999	49,795,861	50,494,320	42,414,681
Nov	207,118	189,874	171,757	280,391	194,788	39,178,656	39,329,397	47,814,195	48,419,929	41,912,470
Dec	241,178	151,490	156,648	240,957	211,257	40,003,733	38,670,842	47,678,418	48,700,911	43,091,911
<b>Total</b>	<b>1,871,259</b>	<b>2,324,752</b>	<b>1,851,976</b>	<b>2,732,008</b>	<b>3,133,890</b>	<b>552,395,864</b>	<b>499,447,130</b>	<b>547,714,586</b>	<b>648,212,116</b>	<b>522,391,203</b>

<sup>1/</sup> Figures for 1998 have been revised.

Chart 6: California Cheese Production, by Type of Cheese



# CLASS 4b PRODUCTION

Table 17. Production of Class 4b Products in California, 1996-2000

Month	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
<b>Monterey <sup>1/</sup></b>						<b>Cheddar <sup>1/</sup></b>				
	<i>Pounds</i>					<i>Pounds</i>				
Jan	7,619,474	8,777,408	9,911,256	11,225,114	13,056,672	23,913,465	27,788,346	28,258,226	37,686,304	35,568,405
Feb	10,240,708	10,746,666	11,299,110	13,046,789	13,033,296	21,707,040	28,456,273	32,194,523	33,430,286	33,127,666
Mar	5,900,927	10,885,654	10,967,633	13,696,882	12,921,318	19,663,330	27,783,847	31,210,161	40,481,780	36,833,062
Apr	6,879,340	11,152,302	10,344,610	14,184,004	11,758,716	18,833,084	27,008,115	31,258,716	39,157,466	39,231,423
May	8,990,548	11,232,095	10,694,093	14,590,586	12,200,638	29,750,585	29,827,086	37,627,216	32,826,593	42,396,200
Jun	7,913,417	9,856,346	12,398,666	13,854,073	13,892,336	27,310,367	29,037,565	27,892,191	31,404,784	39,655,715
Jul	10,129,619	10,925,334	10,476,634	15,681,413	15,156,718	25,077,810	32,474,834	27,218,031	38,401,919	47,116,575
Aug	9,391,889	10,466,626	10,648,126	15,136,230	12,987,335	28,664,018	29,644,823	28,574,905	39,465,206	47,657,967
Sep	8,275,001	10,120,723	12,000,686	13,254,560	13,384,375	25,868,375	29,945,119	26,159,288	35,458,224	41,143,468
Oct	7,989,048	10,269,216	12,003,534	14,717,018	15,147,598	26,910,099	28,666,473	29,849,881	32,586,333	44,409,202
Nov	9,682,508	10,258,707	11,375,685	15,201,369	16,365,921	30,339,106	28,800,423	33,922,394	30,831,192	45,104,715
Dec	9,106,948	10,140,690	11,460,097	14,942,984	13,382,107	30,757,410	31,568,417	35,859,554	35,787,522	44,833,456
<b>Total</b>	<b>102,119,427</b>	<b>124,831,767</b>	<b>133,580,130</b>	<b>169,531,022</b>	<b>163,287,030</b>	<b>308,794,689</b>	<b>351,001,321</b>	<b>370,025,086</b>	<b>427,517,609</b>	<b>497,077,854</b>
<b>Mozzarella</b>						<b>Other Italian <sup>2/</sup></b>				
	<i>Pounds</i>					<i>Pounds</i>				
Jan	41,497,364	46,043,526	49,900,164	51,148,296	59,668,062	5,446,941	3,544,867	3,560,862	3,757,107	3,876,454
Feb	40,746,617	43,394,580	46,287,006	47,766,468	55,286,836	5,214,083	3,262,981	3,162,066	3,381,294	2,860,820
Mar	44,469,128	48,562,916	52,254,181	52,864,312	58,664,838	6,355,265	4,141,525	3,572,255	3,923,768	3,870,745
Apr	42,499,615	46,638,577	49,416,036	51,230,296	60,284,773	5,288,253	4,013,037	4,415,169	3,539,330	3,879,642
May	42,275,893	48,736,589	51,345,776	55,548,072	58,724,452	5,171,833	3,990,178	3,741,010	3,795,043	3,250,031
Jun	39,302,552	47,155,044	50,782,702	53,647,712	54,545,587	4,194,290	4,004,060	3,169,984	3,806,415	3,663,035
Jul	39,599,062	47,364,217	51,245,789	54,856,246	55,157,158	3,694,065	4,072,661	2,878,706	3,817,444	3,485,991
Aug	39,698,729	48,589,976	49,811,932	53,669,909	50,452,347	4,124,973	3,796,350	3,188,135	3,809,630	3,849,058
Sep	41,571,241	47,971,087	45,613,903	53,940,397	52,949,925	4,479,246	4,140,402	3,265,218	4,193,831	4,672,059
Oct	42,175,102	50,203,069	54,727,146	60,091,139	56,598,568	4,151,329	4,098,465	4,460,834	3,938,682	4,111,195
Nov	41,696,109	50,221,940	55,091,196	59,138,602	52,162,460	4,268,396	5,211,834	4,282,671	3,872,726	4,191,883
Dec	41,955,531	51,328,364	55,578,862	61,931,025	63,920,689	4,600,844	4,244,618	4,514,920	3,442,732	3,589,843
<b>Total</b>	<b>497,486,943</b>	<b>576,209,885</b>	<b>612,054,693</b>	<b>655,832,474</b>	<b>678,415,695</b>	<b>56,989,518</b>	<b>48,520,978</b>	<b>44,211,830</b>	<b>45,278,002</b>	<b>45,300,756</b>
<b>Hispanic</b>						<b>Other Cheese <sup>1/3/</sup></b>				
	<i>Pounds</i>					<i>Pounds</i>				
Jan	3,371,746	3,421,092	3,709,771	4,098,534	4,714,498	3,246,310	2,115,570	2,510,715	3,069,573	3,383,042
Feb	3,403,023	4,052,615	3,905,703	4,324,059	5,102,232	3,082,793	2,171,773	2,820,654	3,447,510	2,903,188
Mar	4,126,593	3,927,283	4,706,417	5,470,845	5,866,947	3,438,710	2,048,616	2,719,853	4,466,168	4,500,982
Apr	4,219,087	3,865,593	4,635,392	4,829,826	5,300,837	3,465,278	2,034,819	2,545,060	3,430,752	3,735,447
May	4,268,720	3,884,062	3,933,360	4,852,365	5,530,841	3,475,488	2,025,334	3,041,744	3,980,310	4,030,076
Jun	3,261,840	3,441,768	3,864,037	5,070,474	5,458,696	3,716,109	2,595,340	3,750,296	4,620,153	4,003,898
Jul	3,994,847	3,873,449	4,724,960	4,798,571	6,046,856	2,917,748	2,000,423	3,306,854	4,019,698	3,537,101
Aug	3,633,961	4,139,860	3,844,850	5,014,109	5,804,954	2,037,010	1,990,938	4,653,612	4,406,157	4,575,182
Sep	3,558,952	3,996,370	4,177,862	5,445,729	5,500,473	2,699,131	2,095,787	5,705,713	4,962,176	5,351,640
Oct	4,059,723	4,043,179	4,337,309	5,111,865	5,473,773	3,053,313	2,692,276	4,511,800	3,938,938	5,294,757
Nov	3,439,599	3,406,423	4,357,349	4,908,510	5,181,878	3,159,471	2,991,638	4,911,849	3,821,657	4,259,897
Dec	3,606,240	3,863,494	4,115,647	4,461,775	5,270,482	3,121,611	2,142,652	4,133,614	3,571,084	3,772,737
<b>Total</b>	<b>44,944,331</b>	<b>45,915,188</b>	<b>50,312,657</b>	<b>58,386,662</b>	<b>65,252,467</b>	<b>37,412,972</b>	<b>26,905,166</b>	<b>44,611,764</b>	<b>47,734,176</b>	<b>49,347,947</b>
<b>Total Cheese</b>										
	<i>Pounds</i>									
Jan	85,095,300	91,690,809	97,850,994	110,984,928	120,267,133					
Feb	84,394,264	92,084,888	99,669,062	105,396,406	112,314,038					
Mar	83,953,953	97,349,841	105,430,500	120,903,755	122,657,892					
Apr	81,184,657	94,712,443	102,614,983	116,371,674	124,190,838					
May	93,933,067	99,695,344	110,383,199	115,592,969	126,132,238					
Jun	85,698,575	96,090,123	101,857,876	112,403,611	121,219,267					
Jul	85,413,151	100,710,918	99,850,974	121,575,291	130,500,399					
Aug	87,550,580	98,628,573	100,721,560	121,501,241	125,326,843					
Sep	86,451,946	98,269,488	96,922,670	117,254,917	123,001,940					
Oct	88,338,614	99,972,678	109,890,504	120,383,975	131,035,093					
Nov	92,585,189	100,890,965	113,941,144	117,774,056	125,237,917					
Dec	93,148,584	103,288,235	115,662,694	124,137,122	134,769,314					
<b>Total</b>	<b>1,047,747,880</b>	<b>1,173,384,305</b>	<b>1,254,796,160</b>	<b>1,404,279,945</b>	<b>1,496,652,912</b>					

<sup>1/</sup> Figures for 1998 have been revised.

<sup>2/</sup> Other Italian includes ricotta, provolone, mascarpone and cacavallo cheeses.

<sup>3/</sup> Other cheese includes breakfast, brie, camembert, cream cheese, delicat baby Swiss, feta, fontina, fontinella, gouda, havarti, kefir, muenster, organic cheese, processed cheese, Portuguese, romano, schloss, St. Jorje, Swiss, and teleme.

# PRICING IN 2000

It was a mixed year for the California dairy industry. Milk production and processing increased. However, producer prices fell from 1999 levels in response to increased volumes of manufactured dairy products. For producers, a sustained low cost of producing milk, attributable mostly to low feed prices, was a positive note.

Wholesale prices for butter, nonfat dry milk (NFDM), and Cheddar cheese form the basis for California's regulated milk prices. For much of 2000, both NFDM and cheese markets were soft with prices near their support purchase price levels. With the virtual collapse of the cheese market from 1999 to 2000, butter and powder became the dominant dairy products for dictating regulated prices. Butter and powder set the price for sixty percent of the regulated market grade milk. The unregulated price for most manufacturing grade milk continued to be tied to the price of cheese.

Traditionally, milk prices are highest in the fall, peaking with the holiday use of butter. Cheese sales typically remain strong through Super Bowl Sunday in late January. Milk prices generally decline as demand tapers off in mid-winter and the seasonal milk production flush comes on in the spring. In some years however, there have been double peaks in milk prices. Besides the holiday peak, there can be a peak in late summer as end-users build inventory for the fall. There were two such peaks in 2000, one in September and the second in December.

## Selected Monthly Commodity Prices Used in the Calculation of California Class 4a and 4b Prices in 2000

Month	Chicago Mercantile Exchange		California Manufacturing Plants
	Grade AA Butter	Block Cheddar Cheese	Nonfat Dry Milk
<i>Dollars Per Pound</i>			
January	1.4294	1.6136	1.0672
February	1.3150	1.3068	1.0336
March	1.2783	1.3300	1.0142
April	1.0315	1.3300	1.0111
May	1.1150	1.2473	1.0062
June	1.4983	1.3668	1.0052
July	1.3307	1.5757	1.0057
August	1.3964	1.8724	1.0074
September	1.3352	1.6873	1.0116
October	1.1194	1.3470	1.0130
November	1.0700	1.1672	1.0133
December	0.9075	1.1482	1.0112

# AVERAGE PRICES PAID PRODUCERS

**Table 18. Average Prices Paid Producers In California  
For All Bulk Milk (Grade A and Grade B), By Month, 1996-2000 <sup>1/2/</sup>**

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
<i>Dollars Per Hundredweight</i>													
1996	12.75	12.36	12.28	12.29	12.80	13.55	13.99	15.37	15.85	15.82	13.71	13.06	13.65
1997	13.27	12.67	12.66	12.27	11.62	11.50	11.64	12.14	12.29	13.45	13.75	14.04	12.61
1998	13.58	14.03	13.39	13.13	12.94	13.94	14.40	15.62	16.68	18.08	17.24	17.19	15.02
1999	15.89	14.14	13.99	12.30	12.03	12.75	13.28	15.10	14.32	13.60	12.94	11.35	13.47
2000	10.88	10.70	10.81	11.02	11.17	11.61	11.84	11.90	12.32	11.39	12.02	12.31	11.50

<sup>1/</sup> Prices are F.O.B. plant, at actual test.

<sup>2/</sup> Includes in-state pool shipments and California milk shipped into Federal Milk Marketing Orders. Excludes bonuses and premiums.

**Table 19. Average Prices Paid Producers In California  
For Market Milk (Grade A), By Month, 1996-2000 <sup>1/2/</sup>**

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
<i>Dollars Per Hundredweight</i>													
1996	12.76	12.37	12.29	12.28	12.77	13.55	13.98	15.37	15.85	15.83	13.72	13.07	13.65
1997	13.30	12.67	12.67	12.27	11.62	11.50	11.64	12.13	12.28	13.45	13.75	14.04	12.61
1998	13.56	14.03	13.39	13.15	12.96	13.94	14.39	15.62	16.68	18.08	17.22	17.17	15.02
1999	15.89	14.15	14.00	12.30	12.03	12.74	13.26	15.07	14.30	13.61	12.96	11.35	13.47
2000	10.88	10.71	10.82	11.03	11.18	11.62	11.85	11.91	12.31	11.41	12.03	12.32	11.50

<sup>1/</sup> Prices are F.O.B. plant, at actual test.

<sup>2/</sup> Includes in-state pool shipments and California milk shipped into Federal Milk Marketing Orders. Excludes bonuses and premiums and exempt production.

**Table 20. Average Prices Paid Producers In California  
For Manufacturing Milk (Grade B), By Month, 1996-2000 <sup>1/</sup>**

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
<i>Dollars Per Hundredweight</i>													
1996	12.46	12.14	12.09	12.48	13.18	13.56	14.12	15.24	15.87	15.65	13.24	12.09	13.51
1997	11.48	12.88	12.00	12.12	11.55	11.58	11.34	12.67	13.28	13.59	14.13	14.41	12.59
1998	14.71	13.85	13.20	12.39	12.13	13.91	15.07	15.77	16.90	18.32	18.65	19.01	15.32
1999	15.72	13.30	12.97	12.53	12.00	13.58	14.63	17.11	15.43	13.36	11.45	11.22	13.61
2000	10.80	10.28	10.21	10.43	10.84	10.81	11.49	11.53	12.47	10.25	10.64	11.16	10.91

Prices are F.O.B. plant, at actual test.

# MINIMUM CLASS 1 PRICES

Table 21. Minimum Prices in California for Market Milk Used to Produce Class 1 Products by Marketing Area, 1996-2000

Year & Month	Northern California				South Valley				Southern California				Wtd. Avg. Basis <sup>2</sup>	
	Fat	SNF	Fluid	Equivalent	Fat	SNF	Fluid	Equivalent	Fat	SNF	Fluid	Equivalent		
	Dollars Per Pound		Per Cwt.		Dollars Per Pound		Per Cwt.		Dollars Per Pound		Per Cwt.			
<b>1996</b>														
Jan	1.0811	0.9964	0.0301	15.10	1.0811	0.9964	0.0283	14.94	1.0861	0.9964	0.0326	15.33	15.10	
Feb	1.1022	0.9985	0.0307	15.24	1.1022	0.9985	0.0289	15.08	1.1072	0.9985	0.0332	15.48	15.24	
Mar	1.1022	0.9985	0.0307	15.24	1.1022	0.9985	0.0289	15.08	1.1072	0.9985	0.0332	15.48	15.24	
Apr	1.0480	0.9767	0.0296	14.76	1.0480	0.9767	0.0278	14.61	1.0530	0.9767	0.0321	15.00	14.76	
May	1.0480	0.9767	0.0296	14.76	1.0480	0.9767	0.0278	14.61	1.0530	0.9767	0.0321	15.00	14.76	
Jun	1.0730	0.9868	0.0301	14.98	1.0730	0.9868	0.0283	14.83	1.0780	0.9868	0.0326	15.22	14.98	
Jul	1.0730	0.9868	0.0301	14.98	1.0730	0.9868	0.0283	14.83	1.0780	0.9868	0.0326	15.22	14.98	
Aug	1.2333	1.0512	0.0333	16.39	1.2333	1.0512	0.0315	16.23	1.2383	1.0512	0.0358	16.62	16.38	
Sep	1.2333	1.0512	0.0333	16.39	1.2333	1.0512	0.0315	16.23	1.2383	1.0512	0.0358	16.62	16.38	
Oct	1.3720	1.1070	0.0361	17.60	1.3720	1.1070	0.0343	17.44	1.3770	1.1070	0.0386	17.84	17.60	
Nov	1.3720	1.1070	0.0361	17.60	1.3720	1.1070	0.0343	17.44	1.3770	1.1070	0.0386	17.84	17.60	
Dec	1.3974	1.1173	0.0362	17.79					1.4024	1.1173	0.0391	18.06	17.85	
<b>1997<sup>3/</sup></b>														
Jan	1.3974	1.1173	0.0362	17.79					1.4024	1.1173	0.0391	18.06	17.85	
Feb	1.0004	0.9575	0.0283	14.32					1.0054	0.9575	0.0312	14.59	14.38	
Mar	1.0004	0.9575	0.0283	14.32					1.0054	0.9575	0.0312	14.59	14.38	
Apr	1.0004	0.9575	0.0283	14.32					1.0054	0.9575	0.0312	14.59	14.38	
May	1.0004	0.9575	0.0283	14.32					1.0054	0.9575	0.0312	14.59	14.38	
Jun	1.0247	0.8708	0.0236	13.23					1.0247	0.8708	0.0267	13.51	13.29	
Jul	1.0247	0.8708	0.0236	13.23					1.0247	0.8708	0.0267	13.51	13.29	
Aug	0.9407	0.8370	0.0219	12.50					0.9407	0.8370	0.0250	12.77	12.56	
Sep	0.9407	0.8370	0.0219	12.50					0.9407	0.8370	0.0250	12.77	12.56	
Oct	1.1614	0.9258	0.0263	14.43					1.1614	0.9258	0.0294	14.70	14.49	
Nov	1.1614	0.9258	0.0263	14.43					1.1614	0.9258	0.0294	14.70	14.49	
Dec	1.2054	0.9435	0.0272	14.82					1.2054	0.9435	0.0303	15.09	14.88	
<b>1998</b>														
Jan	1.2054	0.9435	0.0272	14.82					1.2054	0.9435	0.0303	15.09	14.88	
Feb	1.2463	0.9599	0.0280	15.17					1.2463	0.9599	0.0311	15.44	15.23	
Mar	1.2463	0.9599	0.0280	15.17					1.2463	0.9599	0.0311	15.44	15.23	
Apr	1.2435	0.9588	0.0279	15.14					1.2435	0.9588	0.0310	15.42	15.20	
May	1.2435	0.9588	0.0279	15.14					1.2435	0.9588	0.0310	15.42	15.20	
Jun	1.0849	0.8950	0.0248	13.76					1.0849	0.8950	0.0279	14.03	13.82	
Jul	1.0849	0.8950	0.0248	13.76					1.0849	0.8950	0.0279	14.03	13.82	
Aug	1.3208	0.9899	0.0295	15.83					1.3208	0.9899	0.0326	16.10	15.89	
Sep	1.3208	0.9899	0.0295	15.83					1.3208	0.9899	0.0326	16.10	15.89	
Oct	1.5216	1.0707	0.0335	17.58					1.5216	1.0707	0.0366	17.85	17.64	
Nov	1.5216	1.0707	0.0335	17.58					1.5216	1.0707	0.0366	17.85	17.64	
Dec	1.7015	1.1430	0.0370	19.15					1.7015	1.1430	0.0401	19.42	19.21	
<b>1999</b>														
Jan	1.7015	1.1430	0.0370	19.15					1.7015	1.1430	0.0401	19.42	19.21	
Feb	1.7723	1.1715	0.0385	19.78					1.7723	1.1715	0.0416	20.05	19.84	
Mar	1.7723	1.1715	0.0385	19.78					1.7723	1.1715	0.0416	20.05	19.84	
Apr	1.1089	0.9046	0.0252	13.96					1.1089	0.9046	0.0283	14.24	14.02	
May	1.1089	0.9046	0.0252	13.96					1.1089	0.9046	0.0283	14.24	14.02	
Jun	1.1261	0.9116	0.0256	14.12					1.1261	0.9116	0.0287	14.39	14.18	
Jul	1.1261	0.9116	0.0256	14.12					1.1261	0.9116	0.0287	14.39	14.18	
Aug	1.1817	0.9339	0.0267	14.61					1.1817	0.9339	0.0298	14.88	14.66	
Sep	1.1817	0.9339	0.0267	14.61					1.1817	0.9339	0.0298	14.88	14.66	
Oct	1.7391	1.1582	0.0378	19.48					1.7391	1.1582	0.0409	19.75	19.54	
Nov	1.7391	1.1582	0.0378	19.48					1.7391	1.1582	0.0409	19.75	19.54	
Dec	1.1729	0.8617	0.0239	13.70					1.1729	0.8617	0.0270	13.97	13.75	
<b>2000</b>														
Jan	1.1136	0.7248	0.0196	11.92					1.1136	0.7248	0.0227	12.19	11.98	
Feb	0.9186	0.7643	0.0208	11.69					0.9186	0.7643	0.0239	11.96	11.75	
Mar	0.9109	0.7595	0.0207	11.61					0.9109	0.7595	0.0238	11.88	11.67	
Apr	1.0530	0.8351	0.0230	12.97					1.0530	0.8351	0.0261	13.25	13.03	
May	1.1995	0.8362	0.0231	13.50					1.1995	0.8362	0.0262	13.77	13.55	
Jun	1.2647	0.8355	0.0230	13.72					1.2647	0.8355	0.0261	13.99	13.73	
Jul	1.4885	0.8356	0.2300	14.50					1.4885	0.8356	0.2610	14.77	14.56	
Aug	1.3285	0.8346	0.2300	13.93					1.3285	0.8346	0.0261	14.20	13.99	
Sep	1.2965	0.8354	0.0230	13.83					1.2965	0.8354	0.0261	14.10	13.89	
Oct	1.2966	0.8363	0.0231	13.84					1.2966	0.8363	0.0262	14.11	13.90	
Nov	1.2685	0.8380	0.0231	13.76					1.2685	0.8380	0.0262	14.03	13.82	
Dec	1.5043	0.8380	0.0231	14.59					1.5043	0.8380	0.0262	14.86	14.64	

<sup>1</sup> Calculated based on 3.5 percent fat, 8.7 percent solids-not-fat, and 87.8 percent fluid carrier.

<sup>2</sup> Calculated for the State as a whole using market milk production in each marketing area for weighting.

<sup>3</sup> The South Valley and Northern California marketing areas were combined into one Northern California marketing area as a result of the October 1996 consolidation hearings.

# MINIMUM CLASS 2 PRICES

Table 22. Minimum Prices in California for Market Milk Used to Produce Class 2 Products, by Marketing Area, 1996-2000

Year & Month	Northern California			South Valley			Southern California		
	Fat	SNF	Equivalent	Fat	SNF	Equivalent	Fat	SNF	Equivalent
	<i>Dollars Per Pound</i>		<i>Per Cwt.</i>	<i>Dollars Per Pound</i>		<i>Per Cwt.</i>	<i>Dollars Per Pound</i>		<i>Per Cwt.</i>
<b>1996</b>									
Jan	1.1397	0.9593	12.33	1.1397	0.9593	12.33	1.1420	0.9851	12.57
Feb	0.8318	0.9860	11.49	0.8318	0.9860	11.49	0.8341	1.0118	11.72
Mar	0.8318	0.9860	11.49	0.8318	0.9860	11.49	0.8341	1.0118	11.72
Apr	0.7296	0.9831	11.11	0.7296	0.9831	11.11	0.7319	1.0089	11.34
May	0.7296	0.9831	11.11	0.7296	0.9831	11.11	0.7319	1.0089	11.34
Jun	0.8682	1.0029	11.76	0.8682	1.0029	11.76	0.8705	1.0287	12.00
Jul	0.8682	1.0029	11.76	0.8682	1.0029	11.76	0.8705	1.0287	12.00
Aug	1.5841	1.1213	15.30	1.5841	1.1213	15.30	1.5864	1.1471	15.53
Sep	1.5841	1.1213	15.30	1.5841	1.1213	15.30	1.5864	1.1471	15.53
Oct	1.7026	1.1709	16.15	1.7026	1.1709	16.15	1.7049	1.1967	16.38
Nov	1.7026	1.1709	16.15	1.7026	1.1709	16.15	1.7049	1.1967	16.38
Dec	1.2158	1.1616	14.36				1.2181	1.1874	14.59
<b>1997<sup>2/</sup></b>									
Jan	1.2158	1.1616	14.36				1.2181	1.1874	14.59
Feb	0.8841	1.0543	12.27				0.8864	1.0801	12.50
Mar	0.8841	1.0543	12.27				0.8864	1.0801	12.50
Apr	1.2009	1.0236	13.11				1.2032	1.0494	13.34
May	1.2009	1.0236	13.11				1.2032	1.0494	13.34
Jun	1.0612	1.0131	12.53				1.0635	1.0389	12.76
Jul	1.0612	1.0131	12.53				1.0635	1.0389	12.76
Aug	1.2061	0.9687	12.65				1.2084	0.9945	12.88
Sep	1.2061	0.9687	12.65				1.2084	0.9945	12.88
Oct	1.1705	0.9651	12.49				1.1728	0.9909	12.73
Nov	1.1705	0.9651	12.49				1.1728	0.9909	12.73
Dec	1.6795	0.9592	14.22				1.6818	0.9850	14.46
<b>1998</b>									
Jan	1.6795	0.9592	14.22				1.6818	0.9850	14.46
Feb	1.3933	0.9552	13.19				1.3956	0.9810	13.42
Mar	1.3933	0.9552	13.19				1.3956	0.9810	13.42
Apr	1.5095	0.9473	13.52				1.5118	0.9731	13.76
May	1.5095	0.9473	13.52				1.5118	0.9731	13.76
Jun	1.6090	0.9506	13.90				1.6113	0.9764	14.13
Jul	1.6090	0.9506	13.90				1.6113	0.9764	14.13
Aug	2.1613	0.9488	15.82				2.1636	0.9746	16.05
Sep	2.1613	0.9488	15.82				2.1636	0.9746	16.05
Oct	2.7811	0.9579	18.07				2.7834	0.9837	18.30
Nov	2.7811	0.9579	18.07				2.7834	0.9837	18.30
Dec	2.3582	0.9948	16.91				2.3605	1.0206	17.14
<b>1999</b>									
Jan	2.3582	0.9948	16.91				2.3605	1.0206	17.14
Feb	1.5935	0.9907	14.20				1.5958	1.0165	14.43
Mar	1.5935	0.9907	14.20				1.5958	1.0165	14.43
Apr	1.4297	0.9423	13.20				1.4320	0.9681	13.43
May	1.4297	0.9423	13.20				1.4320	0.9681	13.43
Jun	1.1616	0.9272	12.13				1.1639	0.9230	12.36
Jul	1.1616	0.9272	12.13				1.1639	0.9230	12.36
Aug	1.5711	0.9240	13.54				1.5734	0.9498	13.77
Sep	1.5711	0.9240	13.54				1.5734	0.9498	13.77
Oct	1.5056	0.9251	13.32				1.5079	0.9509	13.55
Nov	1.5056	0.9251	13.32				1.5079	0.9509	13.55
Dec	1.1803	0.9287	12.21				1.1826	0.9545	12.44
<b>2000</b>									
Jan	1.1803	0.9287	12.21				1.1826	0.9545	12.44
Feb	0.9518	0.9255	11.38				0.9541	0.9513	11.62
Mar	0.9518	0.9255	11.38				0.9541	0.9513	11.62
Apr	1.0140	0.9237	11.58				0.0163	0.9495	11.82
May	1.0140	0.9237	11.58				0.0163	0.9495	11.82
Jun	1.2350	0.9235	12.36				1.2373	0.9493	12.59
Jul	1.2350	0.9235	12.36				1.2373	0.9493	12.59
Aug	1.3425	0.9227	12.73				1.3448	0.9485	12.96
Sep	1.3425	0.9227	12.73				1.3448	0.9485	12.96
Oct	1.2851	0.9241	12.54				1.2874	0.9499	12.77
Nov	1.2851	0.9241	12.54				1.2874	0.9499	12.77
Dec	1.4785	0.9263	13.23				1.4808	0.9521	13.47

<sup>1</sup> Calculated based on 3.5 percent fat and 8.7 percent solids-not-fat.

<sup>2</sup> The South Valley and Northern California marketing areas were combined into one Northern California marketing area as a result of the October 1996 consolidation hearings.

# MINIMUM CLASS 3 PRICES

Table 23. Minimum Prices in California for Market Milk Used to Produce Class 3 Products, by Marketing Area, 1996-2000

Year & Month	Northern California			South Valley			Southern California		
	Fat	SNF	Equivalent	Fat	SNF	Equivalent	Fat	SNF	Equivalent
	Dollars Per Pound			Dollars Per Pound			Dollars Per Pound		
		Per Cwt.			Per Cwt.			Per Cwt.	
<b>1996</b>									
Jan	1.1397	0.9536	12.29	1.1397	0.9536	12.29	1.1420	0.9536	12.29
Feb	0.8318	0.9803	11.44	0.8318	0.9803	11.44	0.8341	0.9803	11.45
Mar	0.8318	0.9803	11.44	0.8318	0.9803	11.44	0.8341	0.9803	11.45
Apr	0.7296	0.9774	11.06	0.7296	0.9774	11.06	0.7319	0.9774	11.07
May	0.7296	0.9774	11.06	0.7296	0.9774	11.06	0.7319	0.9774	11.07
Jun	0.8682	0.9972	11.71	0.8682	0.9972	11.71	0.8705	0.9972	11.72
Jul	0.8682	0.9972	11.71	0.8682	0.9972	11.71	0.8705	0.9972	11.72
Aug	1.5841	1.1156	15.25	1.5841	1.1156	15.25	1.5864	1.1156	15.26
Sep	1.5841	1.1156	15.25	1.5841	1.1156	15.25	1.5864	1.1156	15.26
Oct	1.7026	1.1652	16.10	1.7026	1.1652	16.10	1.7049	1.1652	16.10
Nov	1.7026	1.1652	16.10	1.7026	1.1652	16.10	1.7049	1.1652	16.10
Dec	1.2158	1.1559	14.31				1.2181	1.1559	14.32
<b>1997<sup>2/</sup></b>									
Jan	1.2158	1.1559	14.31				1.2181	1.1559	14.32
Feb	0.8864	1.0486	12.22				0.8841	1.0486	12.23
Mar	0.8864	1.0486	12.22				0.8841	1.0486	12.23
Apr	1.2009	1.0179	13.06				1.2032	1.0179	13.07
May	1.2009	1.0179	13.06				1.2032	1.0179	13.07
Jun	1.0612	1.0074	12.48				1.0635	1.0074	12.49
Jul	1.0612	1.0074	12.48				1.0635	1.0074	12.49
Aug	1.2084	0.9630	12.61				1.2061	0.9630	12.60
Sep	1.2084	0.9630	12.61				1.2061	0.9630	12.60
Oct	1.1705	0.9594	12.44				1.1728	0.9594	12.45
Nov	1.1705	0.9594	12.44				1.1728	0.9594	12.45
Dec	1.6795	0.9535	14.17				1.6818	0.9535	14.18
<b>1998</b>									
Jan	1.6795	0.9535	14.17				1.6818	0.9535	14.18
Feb	1.3933	0.9495	13.14				1.3956	0.9495	13.15
Mar	1.3933	0.9495	13.14				1.3956	0.9495	13.15
Apr	1.5095	0.9416	13.48				1.5118	0.9416	13.48
May	1.5095	0.9416	13.48				1.5118	0.9416	13.48
Jun	1.6090	0.9449	13.85				1.6113	0.9449	13.86
Jul	1.6090	0.9449	13.85				1.6113	0.9449	13.86
Aug	2.1613	0.9431	15.77				2.1636	0.9431	15.78
Sep	2.1613	0.9431	15.77				2.1636	0.9431	15.78
Oct	2.7811	0.9522	18.02				2.7834	0.9522	18.03
Nov	2.7811	0.9522	18.02				2.7834	0.9522	18.03
Dec	2.3582	0.9891	16.86				2.3605	0.9891	16.87
<b>1999</b>									
Jan	2.3582	0.9891	16.87				2.3605	0.9891	16.86
Feb	1.5935	0.9850	14.15				1.5958	0.9850	14.15
Mar	1.5935	0.9850	14.15				1.5958	0.9850	14.15
Apr	1.4297	0.9366	13.15				1.4320	0.9366	13.16
May	1.4297	0.9366	13.15				1.4320	0.9366	13.16
Jun	1.1616	0.9215	12.08				1.1639	0.9215	12.09
Jul	1.1616	0.9215	12.08				1.1639	0.9215	12.09
Aug	1.5711	0.9183	13.49				1.5734	0.9183	13.50
Sep	1.5711	0.9183	13.49				1.5734	0.9183	13.50
Oct	1.5056	0.9194	13.27				1.5079	0.9194	13.28
Nov	1.5056	0.9194	13.27				1.5079	0.9194	13.28
Dec	1.1803	0.9230	12.16				1.1826	0.9230	12.17
<b>2000</b>									
Jan	1.1803	0.9230	12.16				1.1826	0.9230	12.17
Feb	0.9518	0.9198	11.33				0.9541	0.9198	11.34
Mar	0.9518	0.9198	11.33				0.9541	0.9198	11.34
Apr	1.0140	0.9180	11.54				1.0163	0.9180	11.54
May	1.0140	0.9180	11.54				1.0163	0.9180	11.54
Jun	1.2350	0.9178	12.31				1.2373	0.9178	12.32
Jul	1.2350	0.9178	12.31				1.2373	0.9178	12.32
Aug	1.3425	0.9227	12.73				1.3448	0.9485	12.96
Sep	1.3425	0.9227	12.73				1.3448	0.9485	12.96
Oct	1.2851	0.9184	12.49				1.2874	0.9184	12.50
Nov	1.2851	0.9184	12.49				1.2874	0.9184	12.50
Dec	1.4785	0.9206	13.18				1.4808	0.9206	13.19

<sup>1</sup> Calculated based on 3.5 percent fat and 8.7 percent solids-not-fat.

<sup>2</sup> The South Valley and Northern California marketing areas were combined into one Northern California marketing area as a result of the October 1996 consolidation hearings.

# MINIMUM CLASS 4a and 4b PRICES

Table 24. Minimum Prices in California for Market Milk  
Used to Produce Class 4a and 4b Products 1996-2000

Month	4a			4b		
	Fat	SNF	Equivalent	Fat	SNF	Equivalent
<b>1996</b>	<i>Dollars Per Pound Per Cwt.</i>			<i>Dollars Per Pound Per Cwt.</i>		
Jan	0.7943	0.9374	10.94	0.7943	1.0540	11.95
Feb	0.6976	0.9241	10.48	0.6976	1.0748	11.79
Mar	0.6876	0.9134	10.35	0.6876	1.0877	11.87
Apr	0.7252	0.9317	10.64	0.7252	1.1232	12.31
May	0.9372	0.9455	11.51	0.9372	1.1256	13.07
Jun	1.4466	1.0255	13.98	1.4466	0.9281	13.14
Jul	1.6476	1.0885	15.24	1.6476	0.9062	13.65
Aug	1.6656	1.1039	15.43	1.6656	0.9974	14.51
Sep	1.6656	1.1092	15.48	1.6656	1.0692	15.13
Oct	1.5312	1.1093	15.01	1.5312	1.0056	14.11
Nov	0.8263	1.0853	12.33	0.8263	0.9791	11.41
Dec	0.7822	1.0158	11.58	0.7822	0.9119	10.67
<b>1997</b>						
Jan	0.9120	0.9641	11.58	0.9120	0.8707	10.77
Feb	1.1092	0.9553	12.19	1.1092	0.8527	11.30
Mar	1.2186	0.9633	12.65	1.2186	0.8262	11.45
Apr	1.0728	0.9692	12.19	1.0728	0.7924	10.65
May	0.9756	0.9283	11.49	0.9756	0.7326	9.79
Jun	1.1849	0.9059	12.03	1.1849	0.6615	9.90
Jul	1.1532	0.9029	11.89	1.1532	0.7279	10.37
Aug	1.1496	0.9029	11.88	1.1496	0.8981	11.84
Sep	1.1173	0.8987	11.73	1.1173	0.9425	12.11
Oct	1.5504	0.8961	13.22	1.5504	0.7765	12.18
Nov	1.7346	0.8936	13.85	1.7346	0.7199	12.33
Dec	1.4706	0.8943	12.93	1.4706	0.8508	12.55
<b>1998</b>						
Jan	1.2420	0.8874	12.07	1.2420	0.9366	12.50
Feb	1.5006	0.8849	12.95	1.5006	0.8354	12.52
Mar	1.4443	0.8811	12.72	1.4443	0.7964	11.98
Apr	1.4784	0.8863	12.89	1.4784	0.6834	11.12
May	1.6656	0.8863	13.54	1.6656	0.5299	10.44
Jun	2.0166	0.8842	14.75	2.0166	0.6992	13.14
Jul	2.2320	0.8848	15.51	2.2320	0.7523	14.36
Aug	2.4059	0.8855	16.12	2.4059	0.7415	14.87
Sep	3.0822	0.9016	18.63	3.0822	0.5307	15.40
Oct	2.7172	0.9295	17.60	2.7172	0.7890	16.37
Nov	1.9110	0.9257	14.74	1.9110	1.1629	16.81
Dec	1.5539	0.9290	13.52	1.5539	1.3452	17.14
<b>1999</b>						
Jan	1.5449	0.9179	13.39	1.5449	1.0273	14.34
Feb	1.4076	0.8847	12.62	1.4076	0.7314	11.29
Mar	1.3636	0.8655	12.30	1.3636	0.7750	11.52
Apr	1.0674	0.8624	11.24	1.0674	0.8906	11.48
May	1.1676	0.8575	11.55	1.1676	0.7573	10.68
Jun	1.6276	0.8565	13.15	1.6276	0.7140	11.91
Jul	1.4264	0.8570	12.45	1.4264	1.0304	13.96
Aug	1.5053	0.8587	12.74	1.5053	1.3375	16.90
Sep	1.4318	0.8629	12.52	1.4318	1.1554	15.06
Oct	1.1729	0.8643	11.62	1.1729	0.8688	11.66
Nov	1.1136	0.8646	11.42	1.1136	0.6871	9.88
Dec	0.9186	0.8625	10.72	0.9186	0.7416	9.67
<b>2000</b>						
Jan	0.9109	0.8599	10.67	0.9109	0.7352	9.58
Feb	0.9322	0.8596	10.74	0.9322	0.6915	9.28
Mar	1.0218	0.8591	11.05	1.0218	0.6625	9.34
Apr	1.1194	0.8592	11.39	1.1194	0.6156	9.27
May	1.2766	0.8591	11.94	1.2766	0.5408	9.17
Jun	1.3589	0.8585	12.23	1.3589	0.6002	9.98
Jul	1.2521	0.8583	11.85	1.2521	0.7189	10.64
Aug	1.2499	0.8600	11.86	1.2499	0.7127	10.57
Sep	1.2463	0.8596	11.84	1.2463	0.8002	11.32
Oct	1.2084	0.8620	11.73	1.2084	0.5496	9.01
Nov	1.6746	0.8621	13.36	1.6746	0.3280	8.71
Dec	1.6121	0.8615	13.14	1.6121	0.4310	9.39

<sup>1</sup> Calculated based on 3.5 percent fat and 8.7 percent solids-not-fat.

# QUOTA, BASE, and OVERBASE PRICES

**Table 25. Pool Prices for Quota, Base and Overbase 1996-2000**

Year & Month	Quota			Base and Overbase <sup>1/</sup>		
	Fat	SNF	Equivalent	Fat	SNF	Equivalent
	<i>Dollars Per Pound</i>		<i>Per Cwt</i> <sup>2/</sup>	<i>Dollars Per Pound</i>		<i>Per Cwt</i> <sup>2/</sup>
<b>1996</b>						
Jan	0.876	1.198	13.49	0.876	1.003	11.79
Feb	0.773	1.207	13.21	0.773	1.012	11.51
Mar	0.769	1.202	13.15	0.769	1.007	11.45
Apr	0.775	1.216	13.29	0.775	1.021	11.59
May	0.928	1.221	13.87	0.928	1.026	12.17
Jun	1.280	1.171	14.67	1.280	0.976	12.97
Jul	1.375	1.182	15.10	1.375	0.987	13.40
Aug	1.583	1.258	16.49	1.583	1.063	14.79
Sep	1.589	1.287	16.76	1.589	1.092	15.06
Oct	1.523	1.292	16.57	1.523	1.097	14.87
Nov	0.975	1.265	14.42	0.975	1.070	12.72
Dec	0.910	1.218	13.79	0.910	1.023	12.09
<b>1997</b>						
Jan	1.017	1.193	13.94	1.017	0.998	12.24
Feb	1.069	1.120	13.49	1.069	0.925	11.79
Mar	1.128	1.108	13.59	1.128	0.913	11.89
Apr	1.075	1.096	13.30	1.075	0.901	11.60
May	1.008	1.059	12.74	1.008	0.864	11.04
Jun	1.147	0.991	12.64	1.147	0.796	10.94
Jul	1.114	1.020	12.78	1.114	0.825	11.08
Aug	1.153	1.095	13.56	1.153	0.900	11.86
Sep	1.101	1.082	13.27	1.101	0.887	11.57
Oct	1.440	1.055	14.22	1.440	0.860	12.52
Nov	1.553	1.030	14.40	1.553	0.835	12.70
Dec	1.447	1.089	14.54	1.447	0.894	12.84
<b>1998</b>						
Jan	1.264	1.114	14.12	1.264	0.919	12.42
Feb	1.465	1.090	14.61	1.465	0.895	12.91
Mar	1.405	1.065	14.19	1.405	0.870	12.49
Apr	1.444	1.027	13.99	1.444	0.832	12.29
May	1.582	0.962	13.91	1.582	0.767	12.21
Jun	1.794	1.008	15.05	1.794	0.813	13.35
Jul	1.889	1.025	15.53	1.889	0.830	13.83
Aug	2.190	1.054	16.84	2.190	0.859	15.14
Sep	2.622	0.983	17.73	2.622	0.788	16.03
Oct	2.543	1.118	18.64	2.543	0.923	16.94
Nov	1.939	1.272	17.85	1.939	1.077	16.15
Dec	1.653	1.362	17.64	1.653	1.167	15.94
<b>1999</b>						
Jan	1.640	1.232	16.46	1.640	1.037	14.76
Feb	1.474	1.119	14.90	1.474	0.924	13.20
Mar	1.441	1.128	14.86	1.441	0.933	13.16
Apr	1.109	1.078	13.26	1.109	0.883	11.56
May	1.201	1.024	13.11	1.201	0.829	11.41
Jun	1.461	1.004	13.85	1.461	0.809	12.15
Jul	1.301	1.131	14.40	1.301	0.936	12.70
Aug	1.477	1.261	16.14	1.477	1.066	14.44
Sep	1.412	1.193	15.32	1.412	0.998	13.62
Oct	1.284	1.155	14.55	1.284	0.960	12.85
Nov	1.242	1.087	13.81	1.242	0.892	12.11
Dec	0.972	1.006	12.16	0.972	0.811	10.46
<b>2000</b>						
Jan	0.962	0.964	11.74	0.962	0.769	10.05
Feb	0.936	0.962	11.65	0.936	0.767	9.95
Mar	1.000	0.945	11.73	1.000	0.750	10.03
Apr	1.097	0.945	12.06	1.097	0.750	10.36
May	1.220	0.916	12.24	1.220	0.721	10.54
Jun	1.321	0.937	12.78	1.321	0.742	11.08
Jul	1.275	0.981	13.00	1.275	0.786	11.30
Aug	1.278	0.982	13.02	1.278	0.787	11.32
Sep	1.266	1.020	13.31	1.266	0.825	11.61
Oct	1.229	0.918	12.29	1.229	0.723	10.59
Nov	1.576	0.824	12.69	1.576	0.629	10.99
Dec	1.579	0.857	12.98	1.579	0.662	11.28

<sup>1/</sup> Base and Overbase prices have been combined. They have been the same since January 1994.

<sup>2/</sup> Calculated based on 3.5 percent fat and 8.7 percent solids-not-fat.

# 2001-2002 CLASS & POOL PRICE ANNOUNCEMENT SCHEDULE

## ► Class 1, 2, 3, 4a, and 4b Prices (F.O.B. Processing Plant)

	<u>Pricing Period</u>	<u>Price Release Date (by 4:00 p.m.)</u>
<b>Class 1 Prices</b>	May 2001	April 10, 2001
	June 2001	May 10, 2001
	July 2001	June 8, 2001
	August 2001	July 10, 2001
	September 2001	August 10, 2001
	October 2001	September 10, 2001
	November 2001	October 10, 2001
	December 2001	November 9, 2001
	January 2002	December 10, 2001
	February 2002	January 10, 2002
	March 2002	February 8, 2002
	April 2002	March 8, 2002
	<b>Class 2 &amp; 3 Prices</b>	April/May 2001
June/July 2001		June 1, 2001
August/September 2001		August 1, 2001
October/November 2001		October 1, 2001
December 2001/Jan. 2002		December 3, 2001
February/March 2002		February 1, 2002
April/May 2002		April 1, 2002
<b>Class 4a &amp; 4b Prices</b>	April 2001	May 1, 2001
	May 2001	June 1, 2001
	June 2001	July 2, 2001
	July 2001	August 1, 2001
	August 2001	September 4, 2001
	September 2001	October 2, 2001
	October 2001	November 1, 2001
	November 2001	December 3, 2001
	December 2001	January 2, 2002
	January 2002	February 1, 2002
	February 2002	March 1, 2002
	March 2002	April 1, 2002
	April 2002	May 1, 2002

## ► Quota, Base, and Overbase Pool Prices

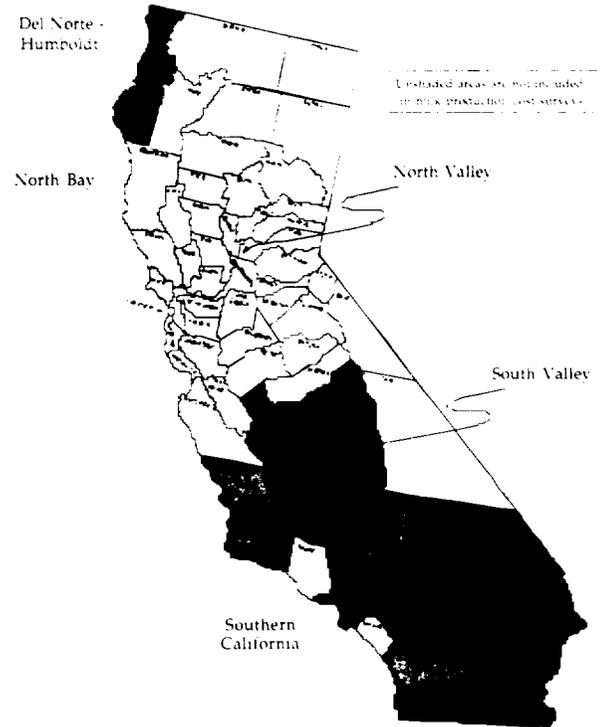
<u>Pricing Period</u>	<u>Price Release Date (by 4:00 p.m.)</u>
April 2001	May 24, 2001
May 2001	June 24, 2001
June 2001	July 24, 2001
July 2001	August 24, 2001
August 2001	September 24, 2001
September 2001	October 24, 2001
October 2001	November 23, 2001
November 2001	December 24, 2001
December 2001	January 24, 2002
January 2002	February 25, 2002
February 2002	March 25, 2002
March 2002	April 24, 2002
April 2002	May 24, 2002

Price Information Lines: (800) 503-3490 within California; (916) 442-MILK outside California  
For additional information or a copy of the Milk Pricing Newsletter, call (916) 654-1456, send an email to  
dairy@cdfa.ca.gov, or visit our homepage at <http://www.cdfa.ca.gov/dairy>

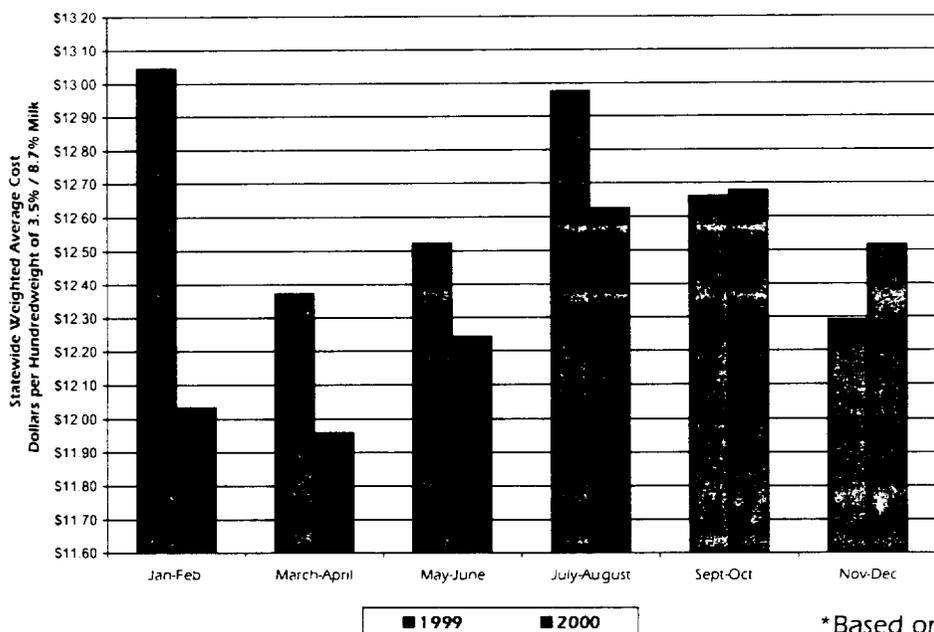
# PRODUCTION COST SUMMARY 2000

The Department considers the cost of producing market milk in establishing minimum prices for the various classes of milk. Since 1955, the Department's Cost of Production Unit has been collecting and summarizing cost data from California dairy farms. The staff reviews dairy farm financial records on-site and works with dairy managers to determine allocations of dairy expenditures to produce milk. Dairy producers find that the studies and resulting cost comparisons are a valuable tool in dairy management.

The Cost of Production Unit conducts surveys for five dairy regions (see map at right) within California (Del Norte-Humboldt, North Bay, North Valley, South Valley, and Southern California). Comparing 1999 to 2000, the statewide weighted average on-farm cost of milk production decreased by \$0.31 per hundredweight. This decrease in production costs must be viewed in terms of changes in producer farm prices. For the same time period, producer farm prices for quota, base, and overbase milk decreased \$0.97 per hundredweight. The \$0.31 decrease in production costs was the result of decreases in both feed costs (down \$0.28) and operating expenses (down \$0.03). The feed cost decreases were, in part, due to decreases in alfalfa and grain prices of \$6.22 and \$5.82 per ton, respectively.



**Chart 7: California Milk Production Cost Summary\* 1999-2000**



\*Based on Milk Production Cost Index Reports

# MANUFACTURING COST SUMMARY 2000

The Department's Manufacturing Cost Unit collects and summarizes cost data from California dairy manufacturing plants. Any plant that produces Class 4a or Class 4b products may be asked to participate in the cost studies. The butter, nonfat dry milk (NFDM), and Cheddar cheese study participants typically account for over 97 percent of these respective products manufactured in California.

The Department annually reviews the cost of manufacturing milk into butter, NFDM, and Cheddar cheese with other factors. These costs are considered when establishing the manufacturing cost allowances for the minimum pricing formulas. The table below shows the weighted average manufacturing costs per pound for butter (salted and unsalted), NFDM, and Cheddar cheese. Costs included in this summary are packaging, processing labor, processing non-labor, general and administrative, return on investment and, for butter and Cheddar cheese, miscellaneous ingredients.

Compared to the February 2000 Exhibit, the updated survey shows production increases for butter of 780,000 pounds (0.25%), nonfat powder of 43,750,000 pounds (8.67%), and Cheddar and Monterey Jack cheeses of 22,670,000 pounds (4.86%). For more information, see the Manufacturing Cost Unit Annual to be printed in mid-2000.

## Weighted Average Manufacturing Costs 1989-2001

Exhibit Date	Butter	# of Butter Plants	Nonfat Powder	# of NFDM Plants	Cheddar Cheese	# of Cheddar Cheese Plants
May 1989	\$0.0879	11	\$0.1370	11	\$0.2251	9
June 1990	\$0.0888	11	\$0.1398	11	\$0.2324	9
May 1991	\$0.0883	10	\$0.1438	11	\$0.2192	9
July 1992	\$0.0969	12	\$0.1443	12	\$0.2010	9
August 1993	\$0.0936	12	\$0.1430	11	\$0.1868	10
September 1994	\$0.0895	11	\$0.1341	11	\$0.1889	8
April 1995	\$0.0889	9	\$0.1327	9	\$0.1862	8
November 1995	\$0.0928	9	\$0.1328	9	\$0.1981	8
December 1996	\$0.0970	9	\$0.1333	9	\$0.1898 <sup>1/</sup>	8
July 1997	\$0.0958	8	\$0.1327	9	\$0.1840	9
February 1999	\$0.0930	8	\$0.1277	9	\$0.1759	10
February 2000	\$0.0957	8	\$0.1356	10	\$0.1693	9
January 2001 <sup>2/</sup>	\$0.0959	8	\$0.1463	11	\$0.1753	9

<sup>1/</sup> This and successive figures include costs associated with bulk Cheddar plants, although packaging labor and packaging expenses reflect costs from the 40-lb. block plants.

<sup>2/</sup> Includes the most current completed cost studies as well as utility cost adjustments for all plants. The adjustments were made using each plant's invoices for energy costs through October 2000.

# CALIFORNIA MILK PROCESSING PLANTS

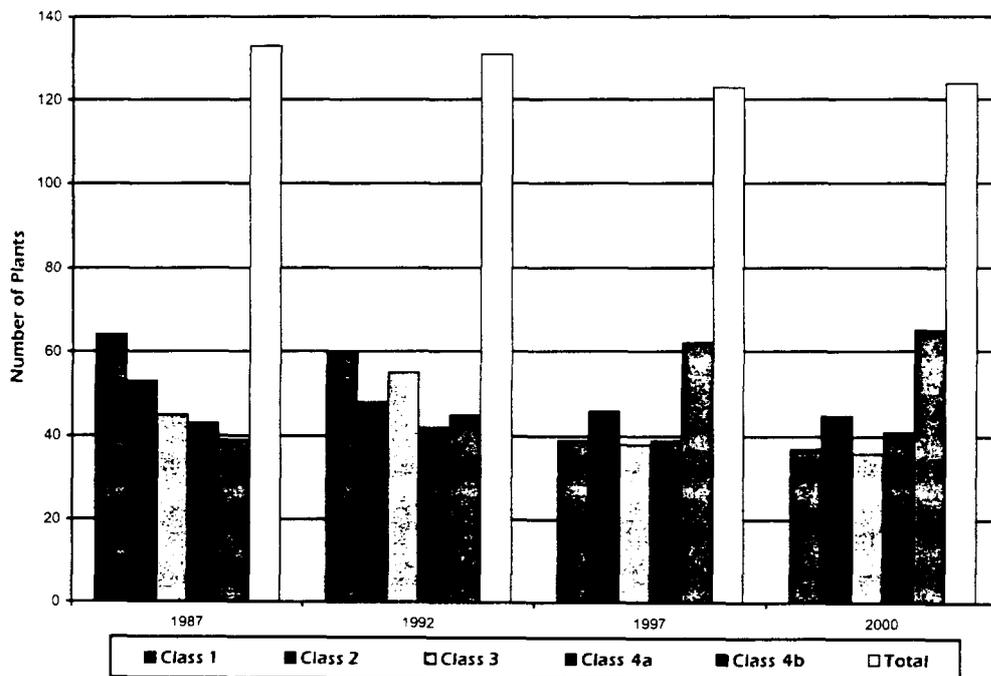
California milk processing plants are experiencing trends similar to what other dairy processing plants across the U.S. are experiencing: more milk from fewer dairy farms. For example, for the period from 1960 to 2000, California milk production increased dramatically from 8.0 billion pounds annually to 34.2 billion pounds in 2000. Furthermore, the number of California processing plants decreased from 600 to 113 during the same period.

On average, California plants are operating at 90%+ capacity to meet the demand of this increase in milk production, causing the average amount of milk processed per plant to grow steadily. Many California plants have expanded or are planning expansions to increase processing capacity. Typically, plants that are already large in terms of processing capacity are the ones planning further expansions. Thus, the "larger" plants are getting "even larger" in size and processing volume as compared to the "smaller" processing plants. For example, the 3 largest nonfat dry milk (NFDM) processing plants produced 24 times more NFDM than the 3 smallest plants. These plant expansions will ease some of the pressure of increased milk production. For example, two manufacturing plants currently under construction will together process more than 9 million pounds of milk per day when operating at full capacity (one of these plants is already planning further expansion to process an additional 3 million pounds of milk per day).

Dairy processing plants of the 1960's often produced a wide range of products, whereas today, plants tend to specialize in the processing of only a few dairy products.

The following chart depicts the historical trend for number of milk processing plants between 1987-2000. Note the decline in the total number of milk processing plants, the decline in the number of processing plants processing Class 1 and 2 milk, and the steady increase in the number of processing plants processing Class 4b milk.

**Chart 8: Categorization of California Milk Processing Plants Based Upon Classification of Processed Products**



# CLASSIFICATION OF DAIRY PRODUCTS

## PRODUCT DESCRIPTION

## CLASSIFICATION

Acidified Half-and-Half	1	
Fluid Milk Products:		
Acidophilus	1	
Concentrated	1	
Filled	1	
Flavored	1	
High Nutrient	1	
Imitation	1	
With Lactobacillus Acidophilus Culture	1	
Lactose Reduced	1	
Modified	1	
Whole, Reduced Fat, Lowfat, Fat Free	1	These products are assigned to Class 2 if packaged in pre-sterilized containers to meet out-of-state requirements and sold outside California.
Half-and-Half	1	
Kefir and Fruit Kefir	1	
Milk Drink	1	
Milk Drink Mix	1	
Acidified Buttermilk	2	
Acidified Half-and-Half Dressing	2	
Buttermilk	2	
Clotted Cream	2	These products must be assigned to the classification of ultimate usage when utilized in bulk by handlers, but are assigned to Class 4a when sold to consumers.
Condensed (Sweetened and Unsweetened) Milk	2	
Lowfat Milk	2	
Fat Free Milk	2	
Cottage Cheese:		
Acidified or directly set	2	These products are assigned to Class 4a if sold outside the U.S.
Creamed	2	
Creamed Spread	2	
Lowfat	2	
Fat free	2	
Partially Creamed	2	
Uncreamed	2	
Cream		
Acidified Cream	2	
Coffee Cream	2	
Light Cream	2	
Table Cream	2	
Whipping Cream	2	
Cream Dressing (Sour and Acidified Sour)	2	
Dry Whey (from Cottage Cheese)	2	
Egg Nog (all varieties)	2	
Evaporated (Sweetened and Unsweetened):		
Cream	2	These products are assigned to the classification of ultimate usage when utilized in bulk by handlers, but are assigned to Class 4a when sold to consumers.
Milk	2	
Lowfat Milk	2	
Fat free Milk	2	
Fromage Frais (Lowfat, Fat free)	2	These products are assigned to Class 4a if sold outside the U.S.
Hoop Cheese	2	
Sour Cream and Light Sour Cream	2	
Sour Flavored Half-and-Half	2	
Sour Half-and-Half Dressing	2	
Ultra High Temperature (UHT) and		
Fluid Flavored Milk (Whole, Lowfat, Fat Free)	1	These products are assigned to Class 2 if sold for use outside California and Class 4a if sold for use outside the 48 contiguous states.
Fluid Milk (Whole, Lowfat, Fat Free)	1	
Half-and-Half	1	

PRODUCT DESCRIPTION	CLASSIFICATION		
Cream	2	These products are assigned to Class 4a if sold outside the U.S.	
Dairy Spread	2		
Egg Nog	2		
Flavored Cream	2		
Flavored Drink	2		
Lowfat Milk	2		
Milk	2		
Milk Drink Mix	2		
Sour Cream	2		
Sour Flavored Half-and-Half	2		
Ultrapasteurized Half-and-Half (Hermetically Sealed)	2		
Whipped Cream (Cream Topping)	2		
Whipped Nonfat Yogurt Topping	2		
Yogurt (Flavored, Lowfat, Fat Free)	2		These products are assigned to Class 4a if sold outside the U.S.
Yogurt Drink (Lowfat, Fat Free)	2		
Yogurt Sherbet	2		
Frozen Dairy Dessert (Mix, Lowfat, Fat Free)	3		
Frozen Yogurt (Mix, Lowfat, Nonfat)	3		
Ice Cream and Ice Milk:			
Diabetic	3		
Dietetic	3		
Imitation	3		
Mix	3		
Nonfat	3		
Light Dairy Dessert	3		
Quiescently Frozen Confections	3		
Sherbet	3		
Butter	4a		
Dry Buttermilk	4a		
Nonfat Dry Milk	4a		
Whole Dry Milk	4a		
Cheese:			
Bakers	4b		
Blue	4b		
Brick	4b		
Cheddar	4b		
Colby	4b		
Cream	4b		
Full Skim	4b		
Gorgonzola	4b		
Limburger	4b		
Monterey Jack	4b		
Mozzarella	4b		
Muenster	4b		
Neufchatel	4b		
Parmesan	4b		
Part Skim	4b		
Provolone	4b		
Ricotta	4b		
Romano	4b		
Swiss	4b		
Dry Modified Whey	4b		
Dry Whey (from other Cheese)	4b		

# CALIFORNIA DAIRY INDUSTRY HISTORIC TIMELINE (as related to Government)

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- 1919 California Department of Food and Agriculture established.  
Milk and Dairy Foods Control Branch established.
- 1932 Los Angeles Milk Arbitration Board: State-sponsored voluntary agreement among producers and handlers to set producer and resale prices.
- 1933 Federal license (order) established in Southern California – immediately enjoined by federal courts.
- 1935 Young Act - Establishes minimum producer pricing. Dairy Marketing created. Federal licenses (order) terminated in California.
- 1937 Desmond Act - Establishes minimum wholesale and retail pricing. (repealed 1978)  
Minimum producer prices extended to all classes of milk.
- 1945 Dairy Products Promotion Act - Establishes the Dairy Council of California to foster education and promotional programs.
- 1947 Unfair Practices Act - Regulates unfair dairy business practices.  
Prohibits sales below cost.
- 1949 Federal Price Support for dairy industry established.
- 1955 Amendment of Young Act: Basis for pricing changed.
- 1962 AB 2742 - Establishes component pricing for fluid milk products.  
(butterfat, solids-not-fat, and fluid carrier).  
California introduces lowfat (2-10) milk.
- 1965 Classified pricing for manufactured products begins, based solely on finished product prices for butter and nonfat dry milk.
- 1967 Gonsalves Milk Pooling Act - Establishes a statewide pooling of producer revenues, using a system of quota, base and overbase.
- 1969 Gonsalves Milk Pooling Act becomes effective.  
California Milk Advisory Board established.
- 1970 California Manufacturing Milk Advisory Board established.
- 1973 Quality assurance dating was extended to most dairy products.  
Forward pricing for Class 2 and 3 products began.  
Suspension of minimum wholesale pricing began.
- 1974 AB 1570 - Requires cottage cheese, buttermilk, and sour cream dressing be made from market grade milk.
- 1975 Minimum retail prices suspended in North and Central Valley.
- 1977 Minimum retail and wholesale prices suspended in all areas.  
Market Milk Enforcement consolidated with Dairy Marketing.
- 1978 AB 1110 - Desmond Act repealed. All original quota equalized.  
Authority to establish formula pricing.  
Economic formula to determine Class 1 prices implemented.  
Established 2-month pricing periods.
- 1979 Current milk movement provisions developed.
- to Call provisions
- 1982 Transportation credits (plant to plant)  
Transportation allowances (ranch to plant)

- 
- 1980 Fluid milk usage goes below 50 percent of total milk production on an annual basis.
- 1982 AB 903 - Class 4 divided into Class 4a and Class 4b.
- 1983 Dairy and Tobacco Adjustment Act of 1983 - Dairy Diversion Program: first federal use of supply control in the milk industry.
- 1984 AB 910 - Milk Pooling statutes revised relative to issuance of new quota. Quota allocated based on Class 1 growth above historic high. Implementation of \$0.15 per hundredweight national promotion assessment.
- 1985 1985 Farm Bill - Dairy Termination Program
- 1987 SB 29 - Establishes Milk Producers Security Trust Fund.
- 1989 Class 4b prices based on cheese prices began. Two-month pricing for Classes 2 and 3 began.
- 1990 Extra light (1-11) milk introduced.
- 1991 AB 2203 - Provided for emergency price relief
- 1992 Emergency price relief granted on Class 1, 2 and 3 from February through August 1992.
- 1993 SB 688 - Milk Pooling Statutes revised to provide a fixed Class 1 price differential of \$1.70 from January 1, 1994 to January 1, 1995. SB 72 - Authorizes dairy product cross-promotion. Yogurt reclassified from Class 1 to Class 2 milk product. Quota allocation now based on Class 1 and 2 SNF growth. Cost of Production and consumer purchasing power removed from Class 1 pricing formula. Now formula only uses Commodity Reference Price. California Milk Processors Board established. California Dairy Advisory Committee established.
- 1994 AB 1285 - Removes sunset clause on SB 688 making the \$1.70 fixed differential permanent.
- 1995 Emergency price relief granted on all classes from June 1995 through January 1996.
- 1996 SB 1885 - Changes accounting for restricted use market milk. Eliminates producer's ability to de-pool their milk on a monthly basis by giving up their Grade A permit.
- 1997 Changed the pool accounting for other source milk on July 1.
- 1998 AB 1058 - Removes sunset clause on SB 1885.
- 1999 California Milk Price Survey initiated as a result of SB 419, legislation passed in September 1999.
- 2000 As a result of changes to both systems, pricing in California and Federal Milk Marketing Orders become much more similar.



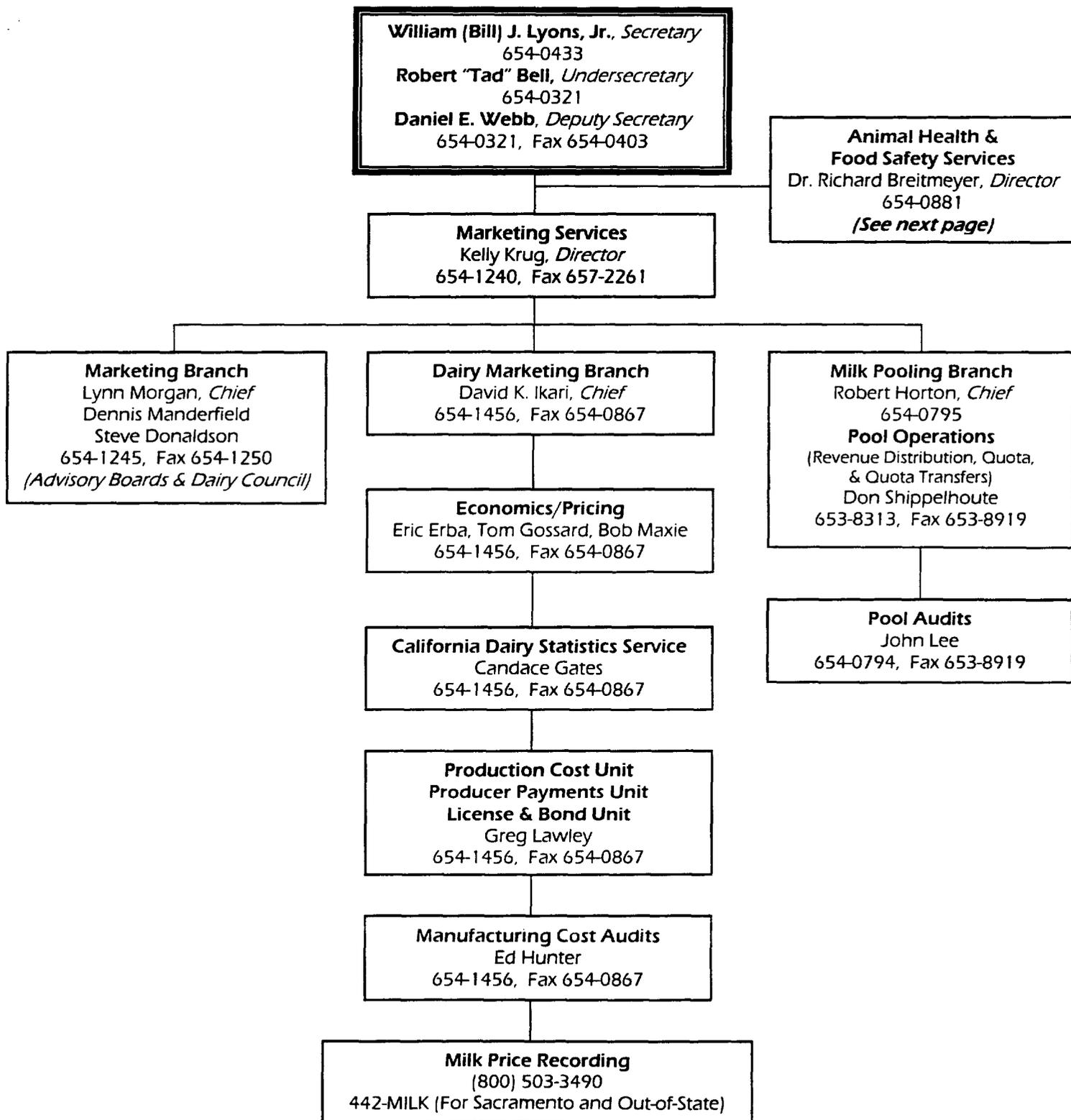
## Key Contacts for Department Dairy Services

California Department of Food and Agriculture

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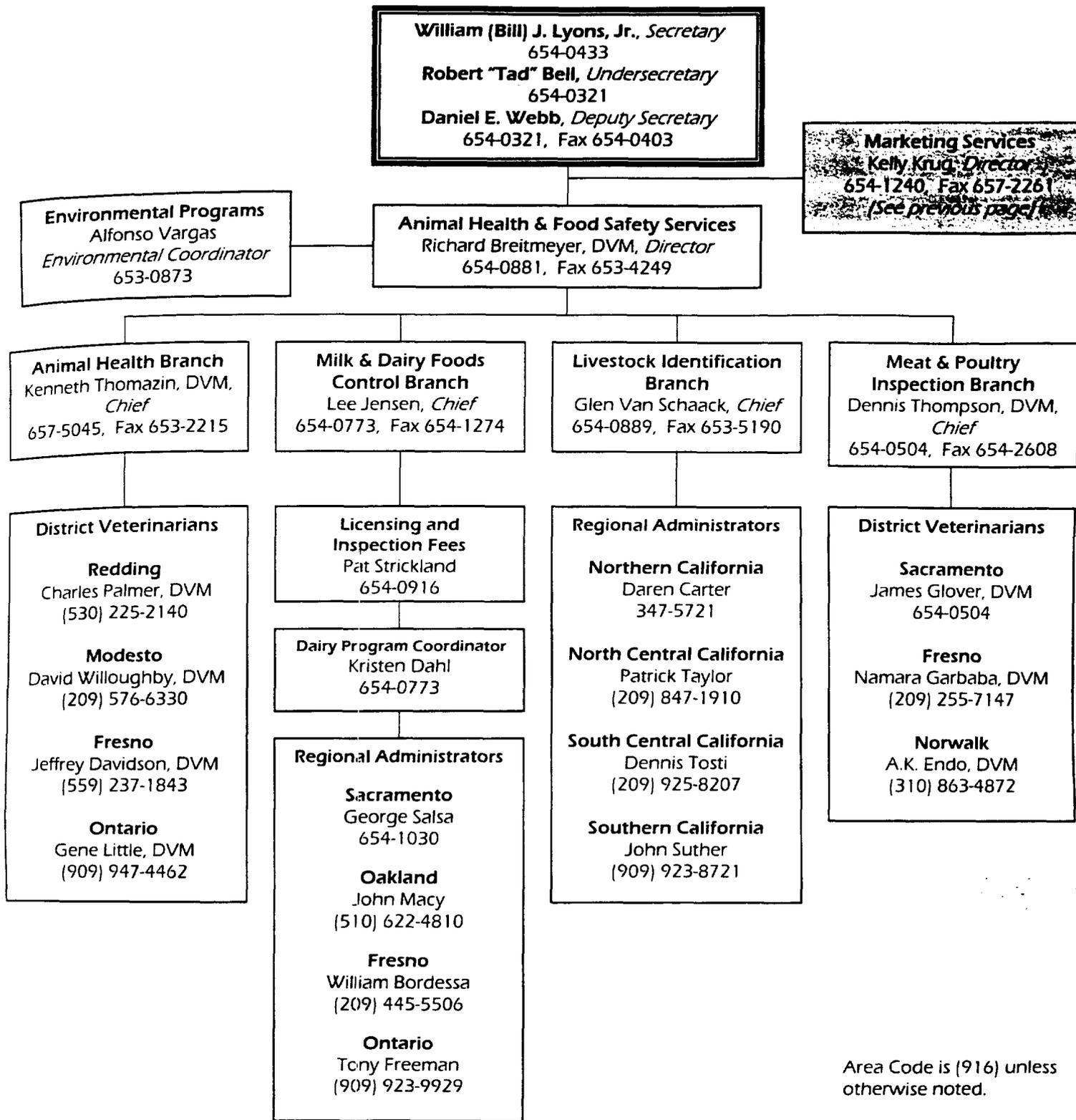
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